AR TARGET SHEET

The following document was too large to scan as one unit, therefore, it has been divided into sections.

EDMC#: 0075646
SECTION: 1 OF 2

DOCUMENT #: 08-AMCP-0075

TITLE: ADMINISTRATIVE DECOMMISSIONING FOR WELLS WITH SURVEYS

0075646

Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

JAN 10 2008

08-AMCP-0075

Ms. J. A. Hedges, Program Manager
Nuclear Waste Program
State of Washington
Department of Ecology
3100 Port of Benton
Richland, Washington 99354

Dear Ms. Hedges:

ADMINISTRATIVE DECOMMISSIONING FOR WELLS WITH SURVEYS

The purpose of this letter is to transmit recent results of a continued systematic effort by the U.S. Department of Energy, Richland Operations Office to identify unique well records on the Hanford Site that require administrative decommissioning.

Attachment 1 lists 26 unique well records numerically by well identification and associated well name. A well identification and a formal well name have been assigned and all have survey coordinates. All are conventional single-cased wells and none are piezometers (small diameter tubes placed within a host well). Attachment 2 contains copies of the pertinent supporting documentation available to administratively decommission these wells.

All wells onsite are assigned a unique well identification number during the well construction planning process. Once a well identification is assigned, that identification becomes a "unique well record" and the number cannot be used again, even if the well is never drilled. Well identifications and other pertinent well data are tracked in the Hanford Well Information System (HWIS). The well identification is also used as a "place holder" in the well name column in HWIS. Once the well is completed, the "place holder" well identification is replaced with a formal well name. The well naming protocols are designed to convey the well's general location onsite.

None of the wells have Water Well Reports or records of Water Well Reports being transmitted to the State of Washington Department of Ecology. This documentation will be used to change the Current Well Status of these wells to "Decommissioned – Verified" in the HWIS Well Inventory.

If there are any questions, please contact me, or your staff may contact, Briant Charboneau, of my staff, on (509) 373-6137.

Sincerely,

Matthew B. McCormick, Assistant Manager
for the Central Plateau

AMCP:FMR

Attachments

cc w/attachs:
Administrative Record H-0-11
Environmental Portal

cc w/o attachs:
B. H. Ford, FHI
R. E. Piippo, FHI
J. G. Vance, FFS

ADMINISTRATIVE DECOMMISSIONING

FOR 26 WELLS WITH SURVEYS

Attachment 1. Well Naming Conventions and List of wells in this package.

All wells on the Site are assigned a unique well identification number (Well ID) during the well construction planning process. Once a Well ID is assigned; e.g. A4646, that ID becomes a "unique well record" and the number cannot be used again, even if the well is never drilled. Well IDs, and other pertinent well data are tracked in HWIS. The Well ID is also used as a "place holder" in the Well Name column in HWIS. Once the well is completed, the "place holder" Well ID is replaced with a formal Well Name, such as 199-K-16. The well naming protocols are designed to convey the well's general location on the Site. For example, wells within the 100, 200, 300, 400, 600, and 1100 Areas have Well Names which begin with "199, 299, 399, 499, 699, or 1199" followed by two numbers separated by dashes. For 100-K Area wells the first number after "199-K" refers to the 100-K Area and the number refers to the sequential well in that area. Wells within the 600 Area have Well Names which begin with "699" followed by two numbers separated by dashes. The 600 Area Well Name is derived from the absolute value of the well's northing and westing in Hanford Plant coordinates rounded to the nearest 1,000 feet, respectively. For example, Well Name 699-17-27C is located in the area near 17,000 ft northing and 27,000 ft westing in Hanford Plant coordinates. Subsequent wells in the same area are labeled sequentially starting with a "B" suffix. The first Well Name in the same area would usually be relabeled with an "A" suffix.

DOE-RL follows the requirements of WAC 173-160-460 with regard to well decommissioning. A completed Water Well Report form is required to be transmitted (by the Driller) to Washington State Department of Ecology (Ecology) when a well is decommissioned. This report provides the details of the well's construction and the steps taken to decommission (plug) the well. When the records available are insufficient to meet the specific requirements of the well decommissioning process, or there is no record of the transmittal, the wells are *Administratively* Decommissioned; i.e., all available information is provided to Ecology to demonstrate that the well was never drilled, or was drilled and subsequently plugged. Since many hundreds of wells were planned but not drilled, or drilled but subsequently plugged, between Site inception in 1943 and 1986, these wells are candidates for *Administrative* Decommissioning. In addition, records of some wells that were planned and not drilled, or drilled and plugged *after* 1986, apparently were inadvertently not transmitted to Ecology, as required.

All of the 26 wells in this document have survey coordinates. All of the wells listed below are conventional single cased wells and none are piezometers (small diameter tubes placed within a host well). None of the wells have Water Well Reports available in the Ecology database. Water Well Reports may have been transmitted to Ecology at the time of decommissioning, however there is no record in the database. This documentation will be used to change the Current Well Status of all of these wells to "Decommissioned - Verified" in the HWIS Well Inventory. Please inform Ecology of these changes.

	WELL ID	WELL NAME		WELL ID	WELL NAME
1	A4646	199-K-16	14	A9007	699-82-38
2	A5742	199-K-24	15	A9020	699-84-34A
3	A5762	199-K-55	16	A9023	699-84-36A

	WELL ID	WELL NAME		WELL ID	WELL NAME
4	A5784	199-K-77	17	A9025	699-84-36C
5	A5785	199-K-78	18	A9050	699-85-40B
6	C3792	699-17-27C	19	A9066	699-87-40
7	C3793	699-17-27M	20	A9067	699-87-42B
8	A8929	699-61-24	21	A9068	699-87-42C
9	A8965	699-67-77	22	A9069	699-87-47
10	A8972	699-71-85	23	A9071	699-88-39
11	A8977	699-74-74	24	A9072	699-88-42
12	A8982	699-77-34	25	A9073	699-88-47
13	A9006	699-82-35	26	A9076	699-90-47

Administrative Decommissioning of 26 Wells

WELL_ID	WELL_NAME	NORTHING	EASTING	WELL_TYPE	DRILL DATE	DRILL DEPTH	CONST DATE	CONST DEPTH	DTB	DTW	WELL_NAME_SYNONYMS	WASTE_SITES_100M	DATE LAST SAMPLED GW	DATE LAST SAMPLED	DATE LAST ROUTINE MAINTENANCE	DATE LAST MAINTENANCE	DATE LAST WLM	GW AOI	MONUMENT LOC
A4646	199-K-16	146720.188	569202.547	VADOSE WELL	10-Feb-53	50	10-Feb-53	50			105-KE-1	70,100-K-71,100-K-7,100-K-56,100-K-52,100-K-53,100-K-5,100-K-77,100-K-79,100-K-47,100-K-46,100-K-3,100-K-			10-Feb-53	10-Feb-53		100-KR-4	Hanford (Not in Monument)
A5742	199-K-24	146932.692	568836.347	VADOSE WELL	27-Dec-52	50	27-Dec-52	50	50		105-KW-2	100-K-47,100-K-58,100-K-64,100-K-63,100-K-56,100-K-55,100-K-80,116-K-3			27-Dec-52	27-Dec-52		100-KR-4	Monument River (Immed. South of River And Dunes)
A5762	199-K-55	147409.492	569643.714	UNCLASSIFIED							116-K-2 N	100-K-56,116-K-2						100-KR-4	Hanford (Not in Monument)
A5784	199-K-77	146828.278	569116.202	UNCLASSIFIED							116-KE A	56,100-K-53,100-K-47,100-K-3,100-K-42,100-K-4,116-KE-3,116-KE-4,116-KE-5						100-KR-4	Hanford (Not in Monument)
A5785	199-K-78	146781.62	569078.381	UNCLASSIFIED							116-KE B	42,100-K-47,100-K-56,100-K-58,100-K-70,100-K-68,100-K-69,100-K-71,UPR-100-K-1						100-KR-4	Hanford (Not in Monument)
C3792	699-17-27C	128703.743	581665.788	UNCLASSIFIED														200-PO-1	Hanford (Not in Monument)
C3793	699-17-27M	128703.556	581702.35	UNCLASSIFIED														200-PO-1	Hanford (Not in Monument)
A8929	699-61-24	142258	582510	UNCLASSIFIED							T13NR27E15P2						21-Apr-74	100-FR-3	Hanford (Not in Monument)
A8965	699-67-77	143896.6	566423.4	GROUNDWATER WELL					100		REF. 2 ROBINSON. REF.2 #170 ROBI. REF.2 NO.170. ROBINSON R.		01-Feb-56	01-Feb-56			27-Dec-62	100-BC-5	Hanford (Not in Monument)
A8972	699-71-85	145012.863	564039.807	UNCLASSIFIED					26		699-71-84, R6, R6 MP4		11-Nov-83	11-Nov-83				100-BC-5	Monument River (Immed. South of River And Dunes)
A8977	699-74-74	145908.224	567291.991	VADOSE WELL							ALLARD REF. 2. ALLARD. REF.2, REF.2 NO.146							100-BC-5	Monument River (Immed. South of River And Dunes)
A9[illegible]	699-77-34	146938.387	579418.927	VADOSE WELL					21		T14NR27E32Q1	600-235						100-FR-3	Hanford (Not in Monument)
A9006	699-82-35	148266	579161	VADOSE WELL							T14NR27E32C1							100-FR-3	Hanford (Not in Monument)
A9007	699-82-38	148653	578341	VADOSE WELL	31-Dec-48	253			254		T14NR27E30R1	600-135			31-Dec-48	31-Dec-48		100-FR-3	Hanford (Not in Monument)
A9020	699-84-34A	149232	579617	UNCLASSIFIED							14/27-29K1, 699-84-34							100-FR-3	Monument River (Immed. South of River And Dunes)
A9023	699-84-36A	149208.285	578979.7	VADOSE WELL							T14NR27E29F1							100-FR-3	Hanford (Not in Monument)
A9025	699-84-36C	149061	578739	UNCLASSIFIED							14/27-29M1							100-FR-3	Hanford (Not in Monument)
A9050	699-85-40B	149059	577523	VADOSE WELL					36		T14NR27E30L1	600-131,600-132,600-189						100-FR-3	Hanford (Not in Monument)
A9066	699-87-40	149872	577509	VADOSE WELL					43		14/27-30C1							100-FR-3	Hanford (Not in Monument)
A9067	699-87-42B	149878	576699	VADOSE WELL					45		T14WR26E25A2							100-FR-3	Hanford (Not in Monument)
A9068	699-87-42C	149873	577103	VADOSE WELL					36		14/27-30D1, 699-87-42							100-FR-3	Hanford (Not in Monument)
A9069	699-87-47	150144.264	575487.791	VADOSE WELL					28		REF.2 NO. 117, REF.2 NO.117							100-FR-3	Hanford (Not in Monument)
A9071	699-88-39	150172.752	577826.908	VADOSE WELL					27		REF.2 NO. 106, REF.2 NO.106							100-FR-3	Hanford (Not in Monument)
A9072	699-88-42	150333.712	576927.455	GROUNDWATER WELL							14/27-19N1, REF.2 NO.102						01-May-74	100-HR-3-H	Hanford (Not in Monument)
A9[illegible]	699-88-47	150317	575491	VADOSE WELL					25		T14NR26E24N1							100-HR-3-H	Hanford (Not in Monument)
A9076	699-90-47	150907	575567.4	GROUNDWATER WELL							T14NR26E24E1		20-May-85	20-May-85			22-Jun-61	100-HR-3-H	Hanford (Not in Monument)

Administrative Decommissioning
September 2007 Package 2

Wells Administratively Decommissioned

Buildings and Mobiles

Highways

Major Roads

Railroads

Waste Sites

Hanford Reach National Monument

Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE

Created and Published by: Central Mapping Services
Fluor Hanford, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88

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699-90-47
699-88-47
699-87-47
699-88-42
699-87-40
699-88-39
699-84-36C
699-84-36A
699-84-34A
699-82-35
699-87-42B
699-87-42C
699-85-40B
699-82-38
699-77-34
199-K-24
199-K-55
699-74-74
199-K-77
199-K-16
199-K-78
699-71-85
699-67-77
699-61-24
699-17-27C
699-17-27M

Wells Administratively Decommissioned
Highways
Major Roads
Railroads
Buildings and Mobiles
Waste Sites

Hanford Site Boundary
DOE Operating Areas
Leased/Permitted Areas
600 Area
Other Areas
Hanford Reach National Monument

Administrative Decommissioning
September 2007 Package 2

CMS

Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE

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199-K-16 A4646

199-K-16
A4646

WELL ATTRIBUTES REPORT

WELL ID	A4646	**NORTHING**	146720.188	**FIELD ORDER NO**	
WELL NAME	199-K-16	**EASTING**	569202.547	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	124.198	**CONST DATE**	2/10/1953
GW OPERABLE UNIT	100-KR-4	**DRILL DATE**	2/10/1953	**CONST DEPTH**	50
PROGRAMS					
WASTE SITES 50FT	100-K-42,118-KE-1				
WM PLAN(S)					
WASTE STORAGE(S)					

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/__
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
LAST TUBING INFORMATION		**CURRENT TUBING INFORMATION**	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	
LAST MEASUREMENT INFORMATION		**CURRENT MEASUREMENT INFORMATION**	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)		DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

WELL ATTRIBUTES REPORT

WELL ID	A4646	**NORTHING**	146720.188	**FIELD ORDER NO**	
WELL NAME	199-K-16	**EASTING**	569202.547	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	124.198	**CONST DATE**	2/10/1953
GW OPERABLE UNIT	100-KR-4	**DRILL DATE**	2/10/1953	**CONST DEPTH**	50
PROGRAMS					
WASTE SITES 50FT	100-K-42,118-KE-1				
WM PLAN(S)					
WASTE STORAGE(S)					

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED
8/in	0/50/ft	CARBON STEEL	INNER			N

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
199-K-15 UN		77160.00 -69050.00	408.00 6.0 4/43	150.0 150.0					USED TH.#1
199-K-16 VW		76300.00 -67800.00	404.00 8.0 2/53	50.0 50.0					105-KE-1
				75.0 75.0	P	8.0	50.0	75.0	105-KE-2
				60.0 40.0 21.0					107-KE-3
				51.0 51.0 30.0	P	8.0	10.0	50.0	SCREEN 26-46 FT. 107-KE-4
199-K-20 GW S		79500.00 -66125.00	422.57 8.0 5/55	50.0 48.0 31.0	P	8.0	10.0	50.0	107-KE-5
199-K-21 GW	147932.00 569770.11	80000.00 -66000.00	421.73 8.0 5/55	50.0 16.0	P	8.0	10.0	50.0	107-KE-6
199-K-22 GW H	148097.28 570023.89	81000.00 -65000.00	421.68 8.0 5/55	50.0 49.0 30.0	P	8.0	10.0	50.0	#15 SCREEN 29-49 FT. 107-KE-7
199-K-23 GW		78000.00 -68000.00	405.00 8.0 2/56	80.0 25.0	P	8.0	65.0	80.0	1706-KER-1
199-K-24 VW		77000.00 -69000.00	467.00 8.0 12/52	50.0 50.0					105-KW-2
199-K-25 GW		78000.00 -68000.00	473.00 8.0 8/53	76.0 76.0	P	8.0	50.0	75.0	105-KW-3
199-K-26 VW			464.00 8.0 8/53	15.0 15.0					115-KE-1

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
Prepared for U. S. Dept of Energy under
Contract DE-AC06-76RLO 1830
Pacific NW Lab by Battelle Memorial Institute

HWIS Interface - Survey Information - Horizontal & Vertical

WELL_ID	WELL_NAME	HORIZONTAL DATA													VERTICAL DATA									
		HORZ_SURVEY_CONTRACTOR	HORIZONTAL_DATUM_TYPE	HORZ_SURVEY_DATE	HORZ_MEASUREMENT_METHOD	NORTHING	EASTING	HORZ_SURVEY_UNITS	HORZ_QUALIFIER	CONVERSION_METHOD	HORZ_SURVEY_POINT_DESC	HORZ_SURVEY_PRECISION	DISC_X	DISC_Y	ELEV_SURVEY_CONTRACTOR	VERTICAL_DATUM_TYPE	ELEV_SURVEY_DATE	ELEV_MEASUREMENT_METHOD	ELEVATION	ELEV_SURVEY_UNITS	ELEV_QUALIFIER	ELEV_CONVERSION_METHOD	ELEV_SURVEY_POINT_DESC	ELEV_SURVEY_PRECISION
A 4 3 4 3	19 9- K- 16	UNKNOWN	NAD83	01/01 /1801	CONVERTED	1467 20 .1 88	5692 02 .5 47	m		CTRANS98	CENTER OF CASING (ASSUMED)	0	*Novalue*	*Novalue*	HEIS	NAVD 88	02/04 /1953	CONVERTED	124.1 98	m		CORPSCON	REFERENCE ELEVATION	0

SURVEY DATA REPORT

Request No.
072-135

Project No.	Title:	File No.
[illegible]	Well Decommissioning: A4646	1KT13R26

Job No.	Prepared By	Date	Reviewer	Page
65400811.1225400	Tim Johnson	3/27/2007	Larry Henke	1 of 2

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Locate well A4646. If found, fill out WAR Report. If not found, set hub and lath. Take photo.	Survey File	OR		
Coordinate System: US State Plane 1983	B. Howard	1		
Zone: Washington South 4602	C. Wright	1		
Project Datum: NAD 1983 (Conus)	G. Kelty	1		
Vertical Datum: NAVD 1988	E. Rafuse	1		
Geoid Model: Geoid03				
Units: Meters				

SURVEY RESULTS AND COMMENTS

Well ID# A4646 has listed coordinates N146720.188 E69202.547 that fall inside the 105KE Reactor Building and therefore was unable to survey.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

SCAN DATA REPORT

Request No.: 072-235			
Project No.: NA	Title: SCAN: Well Decommissioning / Well A4646 No Scan		File No. : 100K-001
No.: 65400811.1225400/CA10	Prepared by: S. Wray	Date: 3/29/07	Reviewer: Page 1 of 1

DESCRIPTION OF WORK:

Perform ground scan at staked location of Well A4646

No Scan

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B.J. Howard	1		
E.C. Rafuse	1		
G.G. Kelty	1		
C.S. Wright	1		

DATE OF FIELD INVESTIGATION: 3/29/07

Weather: Temp 50°F Wind 5 MPH

☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☒ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation 6 feet

Equipment Used:

____ 50/60 Hz detector (for energized lines)

____ Radio Frequency Electromagnetics (RF)

____ Ground Penetrating Radar (GPR)

____ Other (identify)

Required Functional Checks Current/Completed

☐

☐

☐

☐

GPR Antenna(s) Used: ☐ 1000 MHz ☐ 500 MHz ☐ 400 MHz ☐ 300 MHz

Documentation Provided: NONE

Limits of Investigation: NA.

EQUIPMENT LIMITATIONS:

1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure.

Discussion of Findings:

Well A4646 falls inside the 105KE Reactor Bldg. No scan.

HW-6.287

DRILLING LOG

199-K-16

PROJECT NO. _____

Rig No. AEC 22-3133
Well No. 105-KE-1
Driller Gentz
Foreman _____

Date 2/4/53
Shift _____
Depth beginning of Shift 0'
Depth completion of Shift 3'.

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					8:30-10:00	Hauling pipe from yard to 100-K.
					10:00-2:30	Setting up rig and puting string of tools together.
2:30-3:15	3'	Boulders and gravel.		Runs from pea gravel up to 6" boulders.		

REMARKS

HW-6.287

DRILLING LOG

PROJECT NO. _____

Rig No. AEC 22-3133
Well No. 105-KE-1
Driller Gentz
Foreman _____

Date 2/5/53
Shift _____
Depth beginning of Shift 3'
Depth completion of Shift 12'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
8:30-9:30	5'	Gravel and boulders.				
9:30-12:30	10'	Gravel and boulders.				
					12:30-2:00	Starter pipe 15¼" over hole, also changed bits.
2:00-3:15	12'	Gravel.				

REMARKS

70% pea gravel up to very coarse gravel, boulders up to 8" with a little coarse sand.

At 12' pea gravel runs up to 1", no boulders.

HW-6.207

DRILLING LOG

PROJECT NO. _____

Rig No. AEC 22-3133
Well No. 105-KE-1
Driller Gentz
Foreman _____

Date 2/6/53
Shift _____
Depth beginning of Shift 12'
Depth completion of Shift 27'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					8:30-10:00	Repairing rig.
10:00-11:30	15'	Black sand and pea gravel.				
					11:30-12:00	Welding 8' pipe 23'4" over hole.
12:00-1:00	20'	Coarse gravel up to 1½".				
1:00-1:30	23'	Coarse gravel up to 3".				
					1:30-2:00	Welding 7'6" pipe 30'10" over hole.
2:00-3:00	25'	Small and coarse gravel with a little sand.				
3:00-3:15	27'	Coarse gravel and pea gravel.				

REMARKS

There was a little black sand at 14', at 15' it was 25% sand and pea gravel.
From 14' to 18' there was 25% black sand.
At 18' it was coarse gravel up to 1½".
At 22' gravel was up to 3".
25% small and coarse gravel with 10% sand.

HW-6.267

DRILLING LOG

PROJECT NO. _____

Rig No. ASC 22-3133
Well No. 105-KE-2
Driller Gentz
Foreman _____

Date 2/9/53
Shift _____
Depth beginning of Shift 27'
Depth completion of Shift 43'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
8:30-9:45	30'	Small and coarse gravel and sand.				
					9:45-10:15	Welding 7'1" pipe 37'11" over hole.
10:15-12:00	35'	Coarse gravel and sand.				
12:00-1:00	37'	Coarse gravel and sand.				
					1:00-1:30	Welding 6'10" pipe 44'9" over hole.
1:30-2:30	40'	Coarse gravel and sand.				
2:30-3:00	42'	Gravel runs from 3/4" up to 3".				
3:00-3:15	43'	Gravel runs from 3/4" up to 3".				

REMARKS

27' to 32' 50% coarse gravel up to 3", 35% pea gravel and 15% sand.
32' to 42' 85% coarse gravel 1" up to 4" and 15% sand.

HW-6.287

DRILLING LOG

PROJECT NO. _____

Rig No. ABC 22-3133
Well No. 105-H3-1
Driller Gentz
Foreman _____

Date 2/10/53
Shift _____
Depth beginning of Shift 43'
Depth completion of Shift 50'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
8:30-9:00	45'	Coarse gravel and sand.				
					9:30-10:00	Welding 6¼" pipe 5'11" over hole.
10:00-12:00	50'	Coarse gravel and sand.				
					12:00-3:15	Moving to 108-E-1.

REMARKS

Hole is 50' deep, Casing is 5'11" of pipe over hole.

43' to 50' 50% coarse gravel, runs about 3" and 50% sand.

WELL CONSTRUCTION AND COMPLETION SUMMARY AS-BUILT

Drilling Method: Cable Tool	Sample Method: INF	WELL NUMBER: 199-K-16	TEMPORARY WELL NO.: 105-KE-1
Drilling Fluid Used: INF	Additives Used: INF	Hanford Coordinates: N/S N 76300	E/W W 68800
Driller's Name: Gentz	WA State Lic. No.: INF	State Coordinates: N INF	E INF
Drilling Company: INF	Company Location: INF	Start Card #: INF	T — R — S —
Date Started: 2/4/53	Date Completed: 2/10/53	Elevation Ground Surface (ft): INF	

Depth to water: None documented

GENERALIZED STRATIGRAPHY Data source: Driller's log

0 – 12: BOULDERS and GRAVEL
12 – 14: GRAVEL
14 – 20: Pea GRAVEL and SAND
20 – 23: COARSE GRAVEL up to 1.5-in.
23 – 25: COARSE GRAVEL up to 3-in.
25 – 27: Small and COARSE GRAVEL with a little SAND
27 – 30: COARSE GRAVEL and PEA GRAVEL
30 – 35: Small and COARSE GRAVEL and SAND
35 – 42: COARSE GRAVEL and SAND
42 – 44: GRAVEL runs from 3/4-in. up to 3-in.
44 – 50: COARSE GRAVEL and SAND

Elevation of casing:	404.00
Elevation of reference point:	INF
Concrete pad dimensions:	INF
Depth of surface seal:	INF
Type of surface seal:	None documented
I.D. of surface casing (if present):	N/A
Type of surface casing:	N/A
Depth of surface casing:	N/A
I.D. of riser pipe:	8-in.
Type of riser pipe:	INF
Diameter of borehole:	8-in.
Elevation/depth of top of screen/ perforated interval:	INF
Description of screen/perforation:	No screen or perforations documented
I.D. of screen section:	N/A
Elevation/depth of bottom of screen/ perforated interval:	INF
Elevation/depth of top of plugged section:	N/A
Type of filler used in plugged section:	Sand slough
Elevation/depth of bottom of borehole:	50.0
Elevation/depth of remediated borehole:	N/A

NOTES: N/A: Not Applicable
INF: Insufficient Data

8831752 1K16

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Cable tool
Drilling Fluid Used: Not documented
Driller's Name: Gantz
Drilling Company: Not documented
Date Started: 06feb83

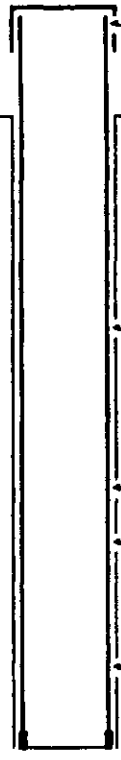
Sample Method: Hard tool (rom)
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: 10feb83

WELL NUMBER: 199-K-16
TEMPORARY WELL NO: 105-KE-1
Hanford Coordinates: N/S N 76,300 E/W W 48,800
State Coordinates: N 481,400 E 2,226,300
Start Card #: Not documented T___ R___ S___
Elevation Ground surface (ft): Not documented

Depth to water: Not documented
(Ground surface)

GENERALIZED STRATIGRAPHY — Driller's Log

0-12: BOULDERS and GRAVEL
12-14: GRAVEL
14-20: Poo GRAVEL and SAND
20-23: Coarse GRAVEL up to 1.5-in
23-25: Coarse GRAVEL up to 3-in
25-27: Small and coarse GRAVEL with a little SAND
27-30: Coarse GRAVEL and poo GRAVEL
30-35: Small and coarse GRAVEL and SAND
35-42: Coarse GRAVEL and SAND
42-44: GRAVEL runs from 3/4-in up to 3-in
44-50: Coarse GRAVEL and SAND



Elevation of reference point (top of casing): (604.00-ft)
Height of reference point above ground surface: (ND)
Depth of surface seal: (ND)
Type of surface seal: None documented
I.D. of surface casing (if present): (ND)
I.D. of riser pipe: (8.0-in)
Type of riser pipe: Carbon steel
Diameter of borehole: (9-in nom)
Type of filler: Not documented
Depth top of perforations: (ND)
Description of perforations: None documented
Depth bottom of perforations: (ND)
Depth bottom of casing: (50-ft)
Depth bottom of borehole: (50-ft)

Drawing By: RKL/TRK#14.ASB Date:___
Reference: HANFORD WELLS

SUMMARY OF CONSTRUCTION DATA AND FIELD OBSERVATIONS
RESOURCE PROTECTION WELL - 199-K-16

WELL DESIGNATION	:	199-K-16
CERCLA UNIT	:	100-KR-2
RCRA FACILITY	:	NA
HANFORD COORDINATES	:	N 76,300 W 48,800
LAMBERT COORDINATES	:	N 481,400 E 2,226,300
DATE DRILLED	:	Feb63
DEPTH DRILLED (GS)	:	50-ft
MEASURED DEPTH (GS)	:	ND
DEPTH TO WATER (GS)	:	ND
CASING DIAMETER	:	6-in, from ND-50-ft
ELEV TOP CASING	:	406.00-ft
ELEV GROUND SURFACE	:	ND
PERFORATED INTERVAL	:	ND
SCREENED INTERVAL	:	NA
COMMENTS	:	No FIELD INSPECTION, unable to locate
		OTHER:
AVAILABLE LOGS	:	Driller
TV SCAN COMMENTS	:	NA
DATE EVALUATED	:	NA
EVAL RECOMMENDATION	:	NA
LISTED USE	:	Not sampled 1989
PUMP TYPE	:	None documented
MAINTENANCE	:	ND

WELL CONSTRUCTION AND COMPLETION SUMMARY

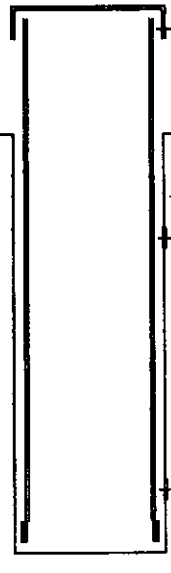
Drilling Method: Cable tool
Drilling Fluid Used: Not documented
Driller's Name: Gentz
Drilling Company: Not documented
Date Started: 04Feb53

Sample Method: Hard tool (nom)
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: 10Feb53

WELL NUMBER: 199-K-16 A4646
TEMPORARY WELL NO: 105-KE-1
Hanford Coordinates: N/S N 76,300 E/W W 68,800
State Coordinates: N 481,400 E 2,226,300
Start Card #: Not documented T ___ R ___ S ___
Elevation Ground surface: Not documented

Depth to water: Not documented (Ground surface)

GENERALIZED STRATIGRAPHY	Driller's Log
	0-12: BOULDERS and GRAVEL
	12-14: GRAVEL
	14-20: Pea GRAVEL and SAND
	20-23: Coarse GRAVEL up to 1.5-in
	23-25: Coarse GRAVEL up to 3-in
	25-27: Small and coarse GRAVEL with a little SAND
	27-30: Coarse GRAVEL and pea GRAVEL
	30-35: Small and coarse GRAVEL and SAND
	35-42: Coarse GRAVEL and SAND
	42-44: GRAVEL runs from 3/4-in up to 3-in
	44-50: Coarse GRAVEL and SAND



Elevation of reference point: [404.00-ft] (top of casing)
Height of reference point above ground surface [ND]
Depth of surface seal [ND]
No surface seal documented,
9-in nominal hole, 0-50-ft
8-in ID carbon steel casing, +ND-50-ft
No perforations documented,
Borehole drilled depth: [50.0-ft]

Drawing By: RKL/1-K-16.ASB
Date : 29Nov94
Reference : HANFORD WELLS

SUMMARY OF CONSTRUCTION DATA AND FIELD OBSERVATIONS
RESOURCE PROTECTION WELL - 199-K-16

WELL DESIGNATION	:	199-K-16
CERCLA UNIT	:	100-KR-2
RCRA FACILITY	:	Not applicable
HANFORD COORDINATES	:	N 76,300 W 68,800 [HANFORD WELLS
LAMBERT COORDINATES	:	N 481,400 E 2,226,300 [HANCONV]
DATE DRILLED	:	Feb53
DEPTH DRILLED (GS)	:	50-ft
MEASURED DEPTH (GS)	:	Not documented
DEPTH TO WATER (GS)	:	Not documented
CASING DIAMETER	:	8-in, ND-50-ft
ELEV TOP CASING	:	404.00-ft, [HANFORD WELLS]
ELEV GROUND SURFACE	:	Not documented
PERFORATED INTERVAL	:	None documented
SCREENED INTERVAL	:	Not applicable
COMMENTS	:	No FIELD INSPECTION, unable to locate
		OTHER:
AVAILABLE LOGS	:	Driller
TV SCAN COMMENTS	:	Not applicable
DATE EVALUATED	:	Not applicable
EVAL RECOMMENDATION	:	Not applicable
LISTED USE	:	None
CURRENT USER	:	None documented
PUMP TYPE	:	None documented
MAINTENANCE	:	

Query HWIS again

Available Documents:

Well ID	Document Number	Document Type	Date	Description	Rev
Well ID: A4646, Well Name: 199-K-16					
A4646		DLG		DRILL LOG (KEH)	
A4646		DLG	1953-02-04 00:00:00	DRILL LOG (KEH)	
A4646		RPGW	1989-11-01 00:00:00	RESOURCE PROTECTION GROUND WATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	
A4646		RPGW	1989-11-01 00:00:00	RESOURCE PROTECTION GROUND WATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	
A4646		LTR	2000-07-13 00:00:00	VARIANCE ISRM PUMP USAGE [7451 WELL ID LISTED]	

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A4646	199-K-16	CANDIDATE FOR DECOMMISSIONING	05/09/2002	

Worley, Scott H

From: Worley, Scott H
Sent: Friday, June 29, 2007 10:39 AM
To: Howard, Bonnie J; Kelty, George
Cc: Weekes, David C
Subject: 199-K-16 needs Admin. Decommissioning

Bonnie, George asked if he should take these messages from me as the final word for making changes to the D-base. I thought it would be good for you to confirm these decisions. If you concur with this decision please let George know.

Per Survey Data Report and Scan Data Report for Well 199-K-16 the well location is underneath the 105KE Reactor Building.

This well needs to be Adminstratively Decommissioned.

Scott Worley

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	SOURCE	DATE_OF_SOURCE
A4646	199-K-16	02/10/1953		50	ft		WELL CONSTRUCTION & COMPLETION SUMMARY/ ASBUILT	11/29/1994

199-K-24 A5742

199-K-24
A5742

WELL ATTRIBUTES REPORT

WELL ID	A5742	**NORTHING**	146932.692	**FIELD ORDER NO**	
WELL NAME	199-K-24	**EASTING**	568836.347	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	143.401	**CONST DATE**	12/27/1952
GW OPERABLE UNIT	100-KR-4	**DRILL DATE**	12/27/1952	**CONST DEPTH**	50
PROGRAMS					
WASTE SITES 50FT	100-K-63				
WM PLAN(S)					
WASTE STORAGE(S)					

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
LAST TUBING INFORMATION		**CURRENT TUBING INFORMATION**	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	
LAST MEASUREMENT INFORMATION		**CURRENT MEASUREMENT INFORMATION**	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)	50	DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

WELL ATTRIBUTES REPORT

WELL ID	A5742	**NORTHING**	146932.692	**FIELD ORDER NO**	
WELL NAME	199-K-24	**EASTING**	568836.347	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	143.401	**CONST DATE**	12/27/1952
GW OPERABLE UNIT	100-KR-4	**DRILL DATE**	12/27/1952	**CONST DEPTH**	50
PROGRAMS					
WASTE SITES 50FT	100-K-63				
WM PLAN(S)					
WASTE STORAGE(S)					

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED
8/in	0/50/ft	CARBON STEEL	INNER			N

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
199-K-15		77160.00	408.00	150.0					
UN		-69050.00	6.0	150.0					
			4/43						USED TH.#1
199-K-16		76300.00	404.00	50.0					
VW		-67800.00	8.0	50.0					
			2/53						105-KE-1
199-K-17			406.00	75.0	P	8.0	50.0	75.0	
VW			8.0	75.0					
			9/53						105-KE-2
199-K-18			409.00	60.0					
GW			8.0	40.0					
			10/54	21.0					107-KE-3
199-K-19		78000.00	422.17	51.0	P	8.0	10.0	50.0	SCREEN 26-46 FT.
GW		-67000.00	8.0	51.0					
S			4/55	30.0					107-KE-4
199-K-20		79500.00	422.57	50.0	P	8.0	10.0	50.0	
GW		-66125.00	8.0	48.0					
S			5/55	31.0					107-KE-5
199-K-21	147032.00	80000.00	421.23	50.0	P	8.0	10.0	50.0	
				16.0					107-KE-6
				50.0	P	8.0	10.0	50.0	#15 SCREEN 29-49 FT.
				49.0					
				30.0					107-KE-7
				80.0	P	8.0	65.0	80.0	
				25.0					1706-KER-1
199-K-24		77000.00	467.00	50.0					
VW		-69000.00	8.0	50.0					
			12/52						105-KW-2
199-K-25		78000.00	473.00	76.0	P	8.0	50.0	75.0	
GW		-68000.00	8.0	76.0					
			8/53						105-KW-3
199-K-26			464.00	15.0					
VW			8.0	15.0					
			8/53						115-KE-1

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
Prepared for U. S. Dept of Energy under
Contract DE-AC06-76RLO 1830
Pacific NW Lab by Battelle Memorial Institute

SCAN DATA REPORT

Request No.: 072-235				
Project No.: NA	Title: SCAN: Well Decommissioning / Well A5742			File No. : 100K-001
Job No.: 65400811.1225400/CA10	Prepared by: S. Wray	Date: 3/29/07	Reviewer: Larry Hanlon	Page 1 of 1

DESCRIPTION OF WORK:

Perform ground scan at staked location of Well A5742

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B.J. Howard	1		
E.C. Rafuse	1		
G.G. Kelty	1		
C.S. Wright	1		

DATE OF FIELD INVESTIGATION: 3/29/07

Weather: Temp 50°F Wind 5 MPH

☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☒ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation 6 feet

Equipment Used:

		Required Functional Checks Current/Completed
___	50/60 Hz detector (for energized lines)	☐
x	Radio Frequency Electromagnetics (RF)	☒
x	Ground Penetrating Radar (GPR)	☒
___	Other (identify)	☐

GPR Antenna(s) Used: ☐ 1000 MHz ☐ 500 MHz ☐ 400 MHz ☒ 300 MHz

Documentation Provided: NONE

Limits of Investigation: 20 ft square area around staked well location.

EQUIPMENT LIMITATIONS:

1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure.

Discussion of Findings:

No evidence of well casing detected in scan area.

IWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFIER
A5742	199-K-24	UNKNOWN	NAD83	01/01/1801	CONVERTED	146932.692	568836.347	m	

SURVEY DATA REPORT				Request No. 072-135		
Project No.	Title: Well Decommissioning: A5742			File No. 1KT13R26		
Job No. 65400811.1225400	Prepared By Tim Johnson	Date 3/27/2007	Reviewer Tony Henke	Page 1 of 2		

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Locate well A5742. If found, fill out WAR Report. If not found, set hub and lath. Take photo. Coordinate System: US State Plane 1983 Zone: Washington South 4602 Project Datum: NAD 1983 (Conus) Vertical Datum: NAVD 1988 Geoid Model: Geoid03 Units: Meters	Survey File	OR		
	B. Howard	1		
	C. Wright	1		
	G. Kelty	1		
	E. Rafuse	1		

SURVEY RESULTS AND COMMENTS

Well ID# A5742 was not found at listed coordinates: N146932.692 E568836.347
Set hub and lath. Took Photo.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.


A5742 199-K-24
A5742

Worley, Scott H

From: Worley, Scott H
Sent: Friday, June 29, 2007 11:04 AM
To: Worley, Scott H; Howard, Bonnie J; Kelty, George
Cc: Weekes, David C
Subject: 199-K-24 needs Admin. Decommissioning

Per Survey Data Report and Scan Data Report for Well 199-K-24 there is no well casing at this location.

This well needs to be Adminstratively Decommissioned.

Scott Worley

HW-6.287

199-K-24

DRILLING LOG

PROJECT NO. _____

Rig No. AEC 22-3127
Well No. 105-KW-2
Driller Gentz
Foreman _____

Date 12/19/52
Shift _____
Depth beginning of Shift 0'
Depth completion of Shift 5½'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					8:00-11:00	Setting up rig.
11:00-1:30	5'	Gravel and very little sand.				
1:30-3:15	5½'	Drilled on boulder.				

REMARKS

First 5' gravel, runs from pea gravel up to 4".

HW-6.287

DRILLING LOG

PROJECT NO. _____

Rig No. AEC 22-3127
Well No. 105-NW-2
Driller Gentz
Foreman _____

Date 12/21/52
Shift _____
Depth beginning of Shift 5½'
Depth completion of Shift 7'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					8:30-11:00	Changed bits and drilled out cave in.
11:00-3:30	7'	Boulder.				

REMARKS

Hit boulder that is too big to drill, moving to new location.

HW-6.287

DRILLING LOG

PROJECT NO. _____

Rig No. AEC 22-3127
Well No. 105-KW-2
Driller Gentz
Foreman _____

Date 12/22/52
Shift _____
Depth beginning of Shift 0'
Depth completion of Shift 14'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					8:00-10:30	Drilled on boulder.
					10:30-11:30	Moved 10' west and started new hole.
11:30-1:00	5'	Gravel and sand.				
1:00-4:00	10'	75% sand and gravel.				
4:00-6:30	14'	Pea gravel up to 1½".				
						Put in 14' starter pipe.

REMARKS

Gravel runs from pea gravel up to 4".
Sand is fine gray caves easy.
Gravel changed at 12' from 4" to 1½" and smaller.

KW-6.207

DRILLING LOG

PROJECT NO. _____

Rig No. AEC 22-3127
Well No. 105-KW-2
Driller Gentz
Foreman _____

Date 12/23/52
Shift _____
Depth beginning of Shift 14'
Depth completion of Shift 25'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
8:00-9:00	15'	Sand and gravel, 50% sand, gravel runs from pea gravel up to 1½".				
					9:00-9:30	Welding 7'6" pipe 21'6" over hole.
9:30-1:00	20'	Sand and gravel.				
					1:00-1:30	Welding 7'4" pipe 28'10" over hole.
1:30-3:15	25'	90% gravel and 10% fine sand.				

REMARKS

HW-6.287

DRILLING LOG

PROJECT NO. _____

Rig No. AEC 22-3127
Well No. 105-KW-2
Driller Gentz
Foreman _____

Date 12/24/52
Shift _____
Depth beginning of Shift 25'
Depth completion of Shift 35'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
8:30-11:30	30'	95% gravel 5% sand. Pea gravel up to 2".			11:30-12:00	Welding 7'2" pipe 36' over hole.
12:00-3:15	35'	95% gravel and 5% sand.				

REMARKS

HW-6.287

DRILLING LOG

PROJECT NO. _____

Rig No. AEC 22-3127
Well No. 105-KW-2
Driller Gentz
Foreman _____

Date 12/27/52
Shift _____
Depth beginning of Shift 25'
Depth completion of Shift 50'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
7:30-11:00	40'	Coarse gravel.				
					11:00-11:30	Welding 7' pipe 43' over hole.
11:30-2:30	45'	Coarse gravel with 25% sand.				
					2:30-3:00	Welding 7'6" pipe 50'6" over hole.
3:00-5:00	50'	Coarse gravel with 25% sand.				
					5:00-7:30	Taking the rig down and moving it off of location.

REMARKS

At 40' gravel is coarse, runs from an inch up to 4".
45' gravel is coarse with 25% sand.
Well is 50' deep 50'6" of pipe over hole, 8" well.

600-95-016

WESTINGHOUSE HANFORD COMPANY

EXCAVATION PERMIT

1. Work Package No.	2. W.O./Project No.	3. Location of Excavation
RDICA	FY95 WELL DECOMISSIONING	699-97-51B,6-86-64,6-80-62,6-43-42,6-43-42A through H, 6-49-12A & B,1B-92-01 through 24,1-K-15 [redacted] 1-K-25

4. Originated By	Date	5. Engineering Change Notice (ECN)
D.E. SKOGLIE	04/17/95	WHC-SD-EN-AP-161, Rev 0, Appendix D

6. Drawings Required (Identification Numbers)	7. Other Affected Drawings or Documents
N/A	WELL DECOMMISSIONING PLANNED FOR THIRD/FOURTH QUARTER FISCAL YEAR 1995 BY WHC WELL SERVICES

8. Description of Work

DECOMMISSION WELLS PER FITNESS FOR USE CHECKLIST AND WASHINGTON ADMINISTRATIVE CODES (WAC-173-160). WORK WILL BE DOCUMENTED ON FIELD ACTIVITY REPORTS.

9. Special Instructions or Comments *(Including Safety Requirements found in WHC-CM-4-3, CM-8)*

WORK WILL BE CONDUCTED PER AN APPLICABLE JOB HAZARD ANALYSIS.

10. Excavation Requirements Planning Checklist *(Check appropriate blocks to determine supplemental approvals)*

Will the excavation work:

Yes	No	
☐	☒	limit access, pedestrian or vehicle, to or from any area or building? (If yes, Occupational Health and Safety approval required.) Block 17
☐	☒	be within 25 feet of the center line of the railroad track? (If yes, Track Maintenance approval required.) Block 18
☒	☐	be within the 600 Area? (If yes, 600 Area Landlord approval required.) Block 19
☐	☒	be under or immediately adjacent to any high voltage line or switching equipment? (If yes, Electrical Utilities approval required.) Block 20
☐	☒	be within or immediately adjacent to the boundaries of a security barrier or will uncover a security system for maintenance or modification? (If yes, Safeguards and Security approval required.) Block 21
☐	☒	be performed over, under, or immediately adjacent to any steam, sewer, or water utility lines? (If yes, Steam/Water Utilities approval required.) Block 22
☐	☒	be performed in the vicinity of telecommunication lines? (If yes, IRM Plant Telephone approval required.) Block 23
☒	☐	be performed in areas other than existing utilities, buildings, water sites, and those required to remove existing surplus facilities? (If yes, Site Planning approval required.) Block 24

11. List Facilities, Services, and Utilities affected by Excavation

SUBJECT WELLS WILL BE DECOMMISSIONED PER WAC CODES.

REQUIRED APPROVALS

12. Cultural Resources Review (all Packages) — Date: 03/23/95, 04/05/95
HCRC #95-600-011 & -032

13. Occupational Health & Safety (for W.O./Project Packages only) — Date
N/A

RWP Required Yes ☐ No ☒

14. Environmental Assurance (for W.O./Project Packages only) — Date: 4-24-95

15. Cognizant Engineer (for W.O./Project Packages only) — Date: 04/17/95
David E. Skoglie

16. Facility/Plant Manager (for W.O./Project Packages only) — Date
N/A

SUPPLEMENTAL APPROVALS

17. Occupational Health & Safety — Date: 4/21/95
Tom Stone

18. Track Maintenance — Date
N/A

19. 600 Area Landlord — Date: 4-24-95
R.K. [illegible]

20. Electrical Utilities — Date
N/A

21. Safeguards and Security — Date
N/A

22. Steam/Water Utilities — Date
N/A

23. IRM Plant Telephone *(24 hours prior to start)* — Date
N/A

24. Site Planning — Date: 4/24/95
E.F. Yancey for S.W. Seiler

A-7400-373 (06/92)

RESOURCE PROTECTION GROUND WATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

WELL NR:199-K-24

HAS A NEED FOR USE OF THE WELL BEEN IDENTIFIED AND DOCUMENTED (_____)

Piezometer (____); Observation (____); Geotechnical Test (____);

RCRA/CERCLA Monitoring Well (_____) Other: No use documented

Reference: PNL borehole summary files, V. McGhan/WHC Appendix

HAS A TARGET SPECIES BEEN IDENTIFIED (_____)

Insufficient Data

IS WELL PRESENTLY IN USE? (_____)

No use documented

IF NOT IN USE, IS WELL CAPPED IAW WAC 173-160-085? (_____)

Insufficient Data

IS CASING SEALED IAW WAC 173-160-075? (_____)

Natural barriers preserved: No annular seal documented

Aquifers/strata penetrated permanently sealed: No annular seal documented

Annulus sealed to prevent surface/ground water movement into or within annular space: No annular seal documented

Grouting performed by tremmying the mixture:

Insufficient Data

Casing overlap more than 8 ft.; packed and grouted: Not Applicable

DESIGN/CONSTRUCTION IAW WAC 173-160-500 (_____)

Saturated formations/aquifers not connected: No water documented in Driller's Log.

Cuttings/development water handled IAW WAC 173-303:

Not Applicable

Well properly identified:

Field inspection required

SURFACE PROTECTION IAW WAC 173-160-510? ( )

Well capped and protected: Insufficient Data

Posts, pad or cover installed: Insufficient Data

Protection waived or variance obtained: Insufficient Data

Existing protection damaged: Field Inspection required

CASING MATERIALS IAW WAC 173-160-520? ( )

Casing nonreactive & does not affect/interfere with chemical, physical, radiological or biological constituents of interests:

Insufficient data

Casing conforms to ASTM Standards, or at least 304 or 316 stainless steel, PTFE, or Schedule 40 PVC. Joints are not glued: Insufficient Data

DRILL RIG, DRILLING EQUIPMENT CLEANED IAW WAC 173-160-530? ( )

Drill rig/equipment casing/screen cleaned before drilling or installation: Insufficient Data

Filter pack cleaned before installation, material compatible:

Not applicable

IS ELEVATION OF DRILLING DEPTH AND DEPTH TO WATER MEASURED FROM GROUND SURFACE? (_____)

Drilling depth measured from ground surface

RCRA/CERCLA MONITORING WELL

DOES WATER SAMPLE FROM VERTICAL SCREENED INTERVAL REPRESENT HORIZONTAL STRATIGRAPHY (_____)

Screened interval documented: No screen or perforations

Lithology documented: Driller's Log

No water level was documented

DESIGN & CONSTRUCTION IAW WAC 173-160-540 & WAC 173-16-550? (_____)

Screen commercially fabricated of material nonreactive to subsurface conditions: Not applicable

If filter pack installed, extends from bottom of screen to at least 3 ft. above screen: Not Applicable

Well has been developed to assure continuity: Insufficient Data

Annulus grouted with bentonite or bentonite/cement mixture:___

No annular seal was documented.

Potable water used to hydrate sealant: Insufficient Data

DOES WATER SAMPLE MEET ESTABLISHED ACCEPTANCE CRITERIA? (_____)

Sample is less than 5 NTU and sand free: Insufficient data

IS PUMP LOCATION DOCUMENTED? (_____)

Insufficient data

DATA SOURCES USED:

DRILLER'S LOG By: Gentz Dates Covered 12/22-12/27/52

REMEDIATION BY: Not Applicable Dates Covered_____

Drilling Contractor: Insufficient Data

GEOLOGIC LOG By: Not Applicable Dates Covered_____

PUBLICATIONS:

Title, Author, Date: Not applicable

GEOPHYSICAL AND BOREHOLE TELEVISION LOGS:

Type: Not Applicable By:_____ Span:_____ Date:_____

Type:_____ By:_____ Span:_____ Date:_____

Type:_____ By:_____ Span:_____ Date:_____

Type:_____ By:_____ Span:_____ Date:_____

RESOURCE PROTECTION GROUND WATER WELL STRUCTURE
FITNESS FOR USE CHECKLIST

CHEMICAL/RADIONUCLIDE WATER SAMPLE ANALYSES REPORTS:

Title, Author, Date: Not Applicable

Title, Author, Date: _____

GROUND WATER WELL SAMPLING AND MEASUREMENT SCHEDULES:

Title, Author, Date: Not Applicable

Title, Author, Date: _____

FIELD CHECK:

By: To be done by Westinghouse Date: _____

OTHER:

_____

_____

_____

STATUS DETERMINATION:

Well is acceptable for intended use (_____)

Well is acceptable for intended use if variance granted (_____)

Maintenance required to continue intended use (_____)

Remediation required to achieve intended use (_____)

Decommission, well is unneeded, or cannot be remediated (___Yes*___)

Other _____

* There is no documented use for the well. Insufficient data exists regarding well design, construction techniques, and materials employed. There is no documentation on the presence of an annular seal or of a water table penetrated by the well. The well is not suitable for legally defensible chemical analysis; decommissioning of the well is recommended.

RESOURCE PROTECTION GROUND WATER WELL STRUCTURE
FITNESS FOR USE CHECKLIST

WELL NR:199-K-24

STATUS DETERMINATION MADE BY:

Name: John V. Wozniewicz Title: Hydrologist Date: 9/1/89

DETERMINATION REVIEWED BY:

Name: ~~Pamela S.~~ Innis Title: Engineer Date: 10/19/89
Senior Project Manager 11/1/89

DETERMINATION ACCEPTED BY USER:

Name:_____ Title:_____ Date:_____

Name:_____ Title:_____ Date:_____

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Cable tool
Drilling Fluid Used: Not documented
Driller's Name: Gentz
Drilling Company: Not documented
Date Started: 22Dec52

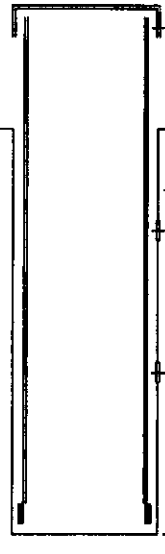
Sample Method: Hard tool (nom)
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: 27Dec52

WELL NUMBER: 199-K-24 A5742
TEMPORARY WELL NO: 105-KW-2
Hanford Coordinates: N/S N 77,000 E/W W 69,000
State Coordinates: N 482,000 E 2,226,000
Start Card #: Not documented T ___ R ___ S ___
Elevation Ground surface (ft): Not documented

Depth to water: Not documented
(Ground surface)

GENERALIZED STRATIGRAPHY — Driller's Log

0-10: GRAVEL and SAND
10-12: 75% SAND and GRAVEL
12-15: Pea GRAVEL up to 1 1/2-in
15-25: GRAVEL, SAND
25-30: 90% GRAVEL and 10% fine SAND
30-40: 95% GRAVEL and 5% SAND
40-45: Coarse GRAVEL
45-50: Coarse GRAVEL with 25% SAND



- Elevation of reference point: [467.00-ft] (top of casing)
- Height of reference point above ground surface [ND]
- Depth of surface seal [ND] — No surface seal documented,
- 9-in nominal hole, 0-80-ft
- 8-in ID carbon steel casing, +ND-50-ft
- No perforations documented,
- Borehole drilled depth: [50.0-ft]

Drawing By: RKL/1-K-24.ASB
Date : 30Nov94
Reference : HANFORD WELLS

SUMMARY OF CONSTRUCTION DATA AND FIELD OBSERVATIONS
RESOURCE PROTECTION WELL - 199-K-24

WELL DESIGNATION	:	199-K-24
CERCLA UNIT	:	100-KR-1
RCRA FACILITY	:	Not Applicable
HANFORD COORDINATES	:	N 77,000 W 69,000 [HANFORD WELLS]
LAMBERT COORDINATES	:	N 482,000 E 2,226,000 [HANCONV]
DATE DRILLED	:	Dec52
DEPTH DRILLED (GS)	:	50-ft
MEASURED DEPTH (GS)	:	Not documented
DEPTH TO WATER (GS)	:	Not documented
CASING DIAMETER	:	8-in ID carbon steel, +ND-50-ft
ELEV TOP CASING	:	467.00-ft, [HANFORD WELLS]
ELEV GROUND SURFACE	:	Not documented
PERFORATED INTERVAL	:	None documented
SCREENED INTERVAL	:	Not applicable
COMMENTS	:	No FIELD INSPECTION, - unable to locate
		OTHER:
AVAILABLE LOGS	:	Driller
TV SCAN COMMENTS	:	Not applicable
DATE EVALUATED	:	Not applicable
EVAL RECOMMENDATION	:	Not applicable
LISTED USE	:	None - unable to locate
CURRENT USER	:	None documented
PUMP TYPE	:	None documented
MAINTENANCE	:	

A 5742
C-K-24

Battelle
Pacific Northwest Laboratories
Battelle Boulevard
P.O. Box 999
Richland, Washington 99352
Telephone (509) 372-1791

March 23, 1995

No Known Historic Properties

Mr. D. Skoglie
Westinghouse Hanford Company
Well Services
P. O. Box 1970/N3-05
Richland, WA 99352

Dear Mr. Skoglie:

CULTURAL RESOURCES REVIEW OF THE FY95 CORING TEST PROJECT.
HCRC #95-1100-004.

In response to your request received March 20, 1995, staff of the Hanford Cultural Resources Laboratory (HCRL) conducted a cultural resources review of the subject project, located southwest of the 1100 Area of the Hanford Site. According to the information that you supplied, the project entails drilling several borings to test coring techniques in the Ringold Formation. Borings will range from 50' to 170' in depth. The well locations will be approximately 200' by 200'.

Our literature and records review shows that the project area has been at least somewhat disturbed by previous Hanford Site activities. A visit to the project area on March 22, 1995 confirmed heavy disturbance in the coring locations caused by work at an existing gravel pit. It is very unlikely that any archaeological materials exist in such disturbed ground. Survey and monitoring by an archaeologist are not necessary.

It is the finding of the HCRL staff that there are no known cultural resources or historic properties within the proposed project area. The workers, however, must be directed to watch for cultural materials (e.g., bones, artifacts) during all work activities. If any are encountered, work in the vicinity of the discovery must stop until an HCRL archaeologist has been notified, assessed the significance of the find, and, if necessary, arranged for mitigation of the impacts to the find. The HCRL must be notified if any changes to project location or scope are anticipated. This is a Class III case, defined as a project which involves new construction in a disturbed, low-sensitivity area.

Copies of this letter have been sent to Dee Lloyd, DOE, Richland Operations Office, as official documentation. If you have any questions, please call me at 372-1791. Please use the HCRC# above for any future correspondence concerning this project.

Very truly yours,

M. E. Crist

M. E. Crist
Technical Specialist
Cultural Resources Project

Concurrence: P. R. Nickens

P. R. Nickens, Project Manager
Cultural Resources Project

cc: D. Lloyd, RL (2)
T. Clark
File/LB

A-5742

1-K-24

Battelle

Copies of this letter have been sent to Dee Lloyd, DOE, Richland Operations Office, as official documentation. If you have any questions, please call me at 372-1791. Please use the HCRC# above for any future correspondence concerning this project. Thank you for your assistance with this project.

Very truly yours,

M. E. Crist

M. E. Crist
Technical Specialist
Cultural Resources Project

Concurrence: Paul R. Nickens

P. R. Nickens, Project Manager
Cultural Resources Project

cc: D. Lloyd, RL (2)
T. Clark
File/LB

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Cable tool
Drilling Fluid Used: Not documented
Driller's Name: Gentz
Drilling Company: Not documented
Date Started: 22Dec52

Sample Method: Hard tool (nom)
Drilling Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: 27Dec52

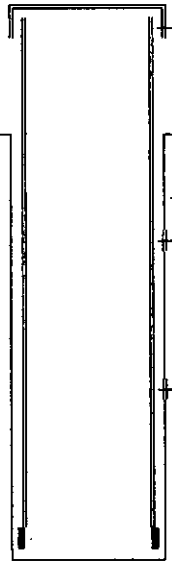
WELL NUMBER: 199-K-24 A5742
TEMPORARY WELL NO: 105-KW-2
Hanford Coordinates: N/S N 77,000 E/W W 69,000
State Coordinates: N 482,000 E 2,226,000
Start Card #: Not documented T R S
Elevation Ground surface (ft): Not documented

Depth to water: Not documented
(Ground surface)

GENERALIZED STRATIGRAPHY

Driller's Log

0-10: GRAVEL and SAND
10-12: 75% SAND and GRAVEL
12-15: Pea GRAVEL up to 1 1/2-in
15-25: GRAVEL, SAND
25-30: 90% GRAVEL and 10% fine SAND
30-40: 95% GRAVEL and 5% SAND
40-45: Coarse GRAVEL
45-50: Coarse GRAVEL with 25% SAND



Elevation of reference point: [467.00-ft] (top of casing)
Height of reference point above ground surface [ND]
Depth of surface seal [ND]
No surface seal documented,
9-in nominal hole, 0-80-ft
8-in ID carbon steel casing, +ND-50-ft
No perforations documented,
Borehole drilled depth: [50.0-ft]

Drawing By: RKL/1-K-24.ASB
Date : 30Nov94
Reference : HANFORD WELLS

SUMMARY OF CONSTRUCTION DATA AND FIELD OBSERVATIONS
RESOURCE PROTECTION WELL - 199-K-24

WELL DESIGNATION	:	199-K-24
CERCLA UNIT	:	100-KR-1
RCRA FACILITY	:	Not Applicable
HANFORD COORDINATES	:	N 77,000 W 69,000 [HANFORD WELLS]
LAMBERT COORDINATES	:	N 482,000 E 2,226,000 [HANCONV]
DATE DRILLED	:	Dec52
DEPTH DRILLED (GS)	:	50-ft
MEASURED DEPTH (GS)	:	Not documented
DEPTH TO WATER (GS)	:	Not documented
CASING DIAMETER	:	8-in ID carbon steel, +ND-50-ft
ELEV TOP CASING	:	467.00-ft, [HANFORD WELLS]
ELEV GROUND SURFACE	:	Not documented
PERFORATED INTERVAL	:	None documented
SCREENED INTERVAL	:	Not applicable
COMMENTS	:	No FIELD INSPECTION, - unable to locate
		OTHER:
AVAILABLE LOGS	:	Driller
TV SCAN COMMENTS	:	Not applicable
DATE EVALUATED	:	Not applicable
EVAL RECOMMENDATION	:	Not applicable
LISTED USE	:	None - unable to locate
CURRENT USER	:	None documented
PUMP TYPE	:	None documented
MAINTENANCE	:	

199-K-55 A5762

A5762

WELL ATTRIBUTES REPORT

WELL ID	A5762	**NORTHING**	147409.492	**FIELD ORDER NO**	
WELL NAME	199-K-55	**EASTING**	569643.714	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	135.856	**CONST DATE**	
GW OPERABLE UNIT	100-KR-4	**DRILL DATE**	1/1/1801	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT	100-K-56				
WM PLAN(S)					
WASTE STORAGE(S)					

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
LAST TUBING INFORMATION		**CURRENT TUBING INFORMATION**	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	
LAST MEASUREMENT INFORMATION		**CURRENT MEASUREMENT INFORMATION**	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)		DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

ND* - Not Documented

WELL ATTRIBUTES REPORT

WELL ID	A5762	**NORTHING**	147409.492	**FIELD ORDER NO**	
WELL NAME	199-K-55	**EASTING**	569643.714	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	135.856	**CONST DATE**	
GW OPERABLE UNIT	100-KR-4	**DRILL DATE**	1/1/1801	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT	100-K-56				
WM PLAN(S)					
WASTE STORAGE(S)					

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
199-K-50 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-K-2 I
199-K-51 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-K-2 J
199-K-52									SEE UNI-946 REPORT FOR RAD. RESULTS 116-K-2 K
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-K-2 L
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-K-2 M
199-K-55 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-K-2 N
199-K-56 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-K-2 O
199-K-57 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-K-2 P
199-K-58 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-K-2 Q
199-K-59 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-K-2 R
199-K-60 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-K-2 S
199-K-61 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-K-2 T

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
Prepared for U. S. Dept of Energy under
Contract DE-AC06-76RLO 1830
Pacific NW Lab by Battelle Memorial Institute

WIS Interface - Survey Information - Horizontal

VELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFIER
\5762	199-K-55	UNKNOWN	NAD83	01/01/1801	CONVERTED	147409.492	569643.714	m	

SURVEY DATA REPORT

Request No.	
072-135	

Project No.	Title:	File No.
	Well Decommissioning: A5762	1KT13R26

Job No.	Prepared By	Date	Reviewer	Page
65400811.1225400	Tim Johnson	3/27/2007	Tamy Henfel	1 of 2

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Locate well A5762. If found, fill out WAR Report. If not found, set hub and lath. Take photo.	Survey File	OR		
Coordinate System: US State Plane 1983	B. Howard	1		
Zone: Washington South 4602	C. Wright	1		
Project Datum: NAD 1983 (Conus)	G. Kelty	1		
Vertical Datum: NAVD 1988	E. Rafuse	1		
Geoid Model: Geoid03				
Units: Meters				

SURVEY RESULTS AND COMMENTS

Well ID# A5762 was not found at listed coordinates: N147409.5 E569643.7
Set hub and lath. Took Photo.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

SCAN DATA REPORT

Request No.: 072-235				
Project No.:	Title: SCAN: Well Decommissioning / Well A5762			File No. : 100K-001
Job No.: 65400811.1225400/CA10	Prepared by: S. Wray	Date: 3/28/07	Reviewer:	Page 1 of 1

DESCRIPTION OF WORK:

Perform ground scan at staked location of Well A5762

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B.J. Howard	1		
E.C. Rafuse	1		
G.G. Kelty	1		
C.S. Wright	1		

DATE OF FIELD INVESTIGATION: 3/28/07

Weather: Temp 50°F Wind 5 MPH

☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☒ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation 6 feet

Equipment Used:	Required Functional Checks Current/Completed
____ 50/60 Hz detector (for energized lines)	☐
x Radio Frequency Electromagnetics (RF)	☒
x Ground Penetrating Radar (GPR)	☒
____ Other (identify)	☐

GPR Antenna(s) Used: ☐ 1000 MHz ☐ 500 MHz ☐ 400 MHz ☒ 300 MHz

Documentation Provided: NONE

Limits of Investigation: 20 ft square area around staked well location.

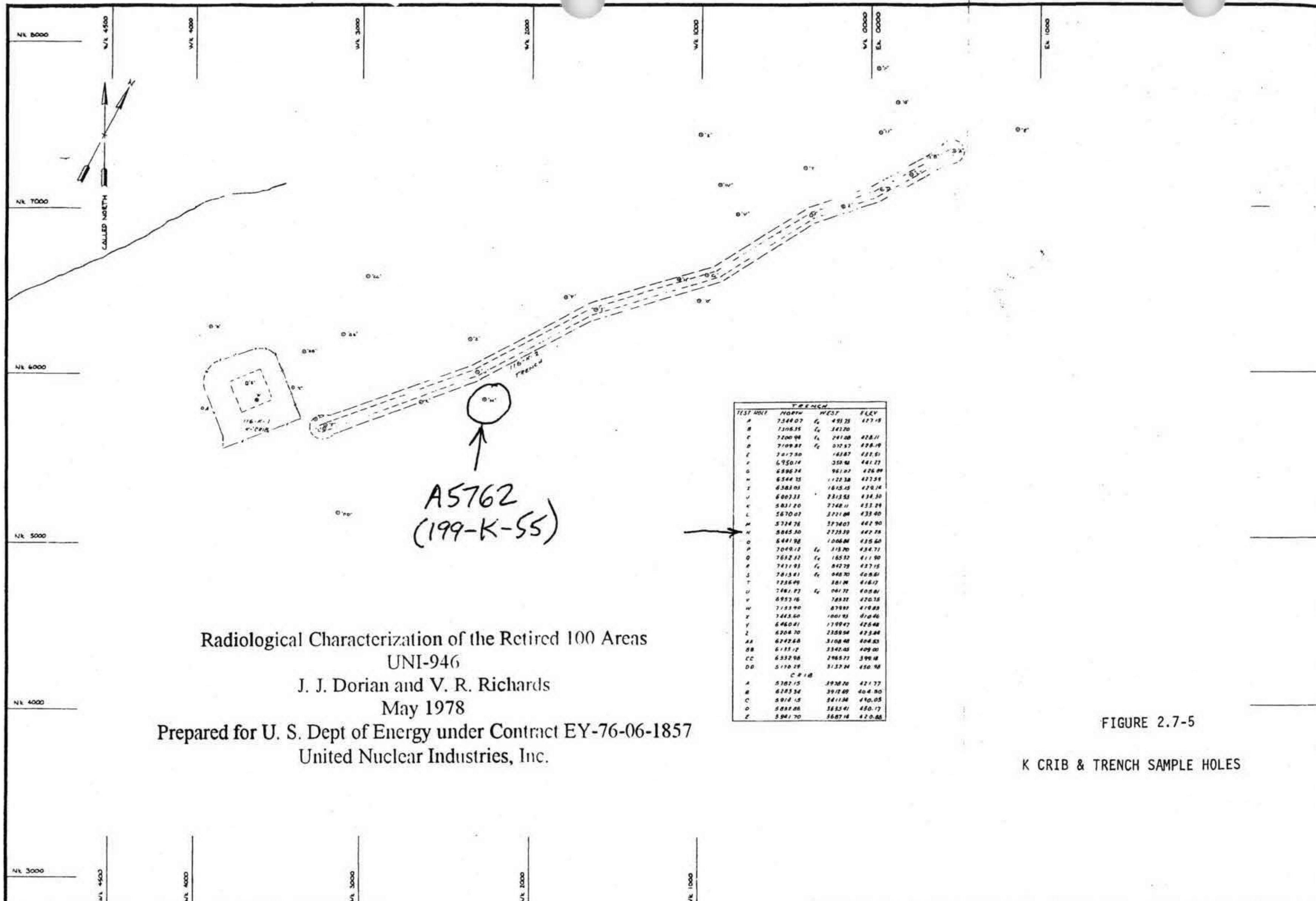
EQUIPMENT LIMITATIONS:

1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure.

Discussion of Findings:

No evidence of well casing detected in scan area.


A5762 199-K-55



TEST HOLE	NORTH		WEST	ELEV
	TRENCH			
A	7344.07	Ek	493.25	427.45
B	7306.35	Ek	343.70	
C	7200.94	Ek	241.08	428.11
D	7109.87	Ek	032.57	428.19
E	7017.50		163.87	432.51
F	6950.14		350.96	441.27
G	6596.74		961.07	426.89
H	6544.75		1122.38	427.59
I	6383.05		1615.15	429.14
J	6007.33		2313.53	434.30
K	5831.20		2748.11	433.29
L	5670.07		3721.84	433.40
M	5724.76		3774.07	442.90
N	5865.30		2773.59	447.78
O	6441.98		1006.84	435.60
P	7049.12	Ek	313.70	434.71
Q	7652.37	Ek	165.32	411.90
R	7471.93	Ek	847.79	437.15
S	7813.41	Ek	048.70	409.81
T	7756.49		381.74	416.17
U	7481.73	Ek	061.72	405.81
V	6957.16		785.33	420.75
W	7153.90		679.97	419.83
X	7443.60		1001.93	410.46
Y	6460.41		1799.47	426.48
Z	6204.70		2359.54	423.84
AA	6242.68		3108.48	404.53
BB	6135.12		3342.05	409.00
CC	6332.98		2965.77	399.18
DD	5170.29		3137.94	450.98
	CRIB			
A	5782.15		3938.70	421.77
B	6283.34		3912.69	404.50
C	5914.15		3411.34	490.05
D	5887.86		3635.41	450.17
E	5941.70		3687.14	420.88

Radiological Characterization of the Retired 100 Areas
UNI-946
J. J. Dorian and V. R. Richards
May 1978
Prepared for U. S. Dept of Energy under Contract EY-76-06-1857
United Nuclear Industries, Inc.

FIGURE 2.7-5

K CRIB & TRENCH SAMPLE HOLES

199-K-77 A5784

199-K-77
A5784

WELL ATTRIBUTES REPORT

WELL ID	A5784	**NORTHING**	146828.278	**FIELD ORDER NO**	
WELL NAME	199-K-77	**EASTING**	569116.202	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	141.054	**CONST DATE**	
GW OPERABLE UNIT	100-KR-4	**DRILL DATE**	1/1/1801	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT	100-K-56				
WM PLAN(S)					
WASTE STORAGE(S)					

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/__
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
LAST TUBING INFORMATION		**CURRENT TUBING INFORMATION**	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	
LAST MEASUREMENT INFORMATION		**CURRENT MEASUREMENT INFORMATION**	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/__
DEPTH TO BOTTOM(ft)		DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/__
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

WELL ATTRIBUTES REPORT

WELL ID	A5784	**NORTHING**	146828.278	**FIELD ORDER NO**	
WELL NAME	199-K-77	**EASTING**	569116.202	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	141.054	**CONST DATE**	
GW OPERABLE UNIT	100-KR-4	**DRILL DATE**	1/1/1801	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT	100-K-56				
WM PLAN(S)					
WASTE STORAGE(S)					

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	DIAM	TOP	BOT	COMMENTS / PREVIOUS WELL NAMES
199-K-74									SEE UNI-946 REPORT FOR RAD. RESULTS 116-K-1 C
199-K-75									SEE UNI-946 REPORT FOR RAD. RESULTS 116-K-1 D
199-K-76									SEE UNI-946 REPORT FOR RAD. RESULTS 116-K-1 E
199-K-77 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE A
199-K-78 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE B
199-K-79 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE C
199-K-80 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE D
199-K-81 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE E
199-K-82 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE F
199-K-83 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE G
199-K-84 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE H
199-K-85 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE I

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
Prepared for U. S. Dept of Energy under
Contract DE-AC06-76RLO 1830
Pacific NW Lab by Battelle Memorial Institute

Coordinate Transformation Report

3/9/2006

Input Data

Input Local Coordinate Source: Document

Known WCS Coordinate Source:

Target Point:	Input Easting:	Input Northing:	Known WCS Easting:	Known WCS Northing:
A	-4686.120	4945.280	0.000	0.000

Calculation Section

The Three Nearest Reference Points From Target: A **Using Reference Table:** 100K

Reference Points:	Reference East/West (Local):	Reference North/South (Local):	Reference Easting (WCS):	Reference Northing (WCS):	Distance (Target Point To Reference Point) In Feet:
199-K-32B	-4723.630	5616.260	569012.400	147004.810	672.028
100-K-2	-5355.000	4132.000	569049.052	146514.684	1053.008
199-K-32A	-4686.520	5604.020	569024.150	147006.680	658.740

Angles

Angle A:	Angle B:	Angle C:	Minimum Angle:
94.790	1.380	83.830	1.380

Three Point Affine Transformation Coefficients

A:	B:	C:	D:	E:	F:
2.705261e-001	-1.397694e-001	5.710752e+005	1.397050e-001	2.707885e-001	146143.906

Local Coordinates Transformed:

569116.330 146828.357

Two Point Uniform Scaling Transformation Coefficients

A:	B:	C:	F:
2.705710e-001	-1.396332e-001	5.710747e+005	146144.789

Local Coordinates Transformed:

569116.240 146828.500

Summary Report

Point Name:	Transformed Easting:	Transformed Northing:	Input East/West Value:	Input North/South Value:	Transformation Model:
A	569116.240	146828.500	-4686.120	4945.280	2-pt

SURVEY DATA REPORT

Request No.	
072-135	

Project No.	Title:	File No.
N/A	Well Decommissioning: A5784	1KT13R26

[illegible]o.	Prepared By	Date	Reviewer	Page
65400811.1225400	Tim Johnson	3/27/2007	Tony Hanks	1 of 2

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Locate well A5784. If found, fill out WAR Report. If not found, set hub and lath. Take photo.	Survey File	OR		
Coordinate System: US State Plane 1983	B. Howard	1		
Zone: Washington South 4602	C. Wright	1		
Project Datum: NAD 1983 (Conus)	G. Kelty	1		
Vertical Datum: NAVD 1988	E. Rafuse	1		
Geoid Model: Geoid03				
Units: Meters				

SURVEY RESULTS AND COMMENTS

Well ID# A5784 was not found at listed coordinates: N146828.3 E569116.2
Set hub and lath. Took Photo.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

SCAN DATA REPORT

Request No.: 072-235				
Project No.: NA	Title: SCAN: Well Decommissioning / Well A5784			File No. : 100K-001
5 No.: 65400811.1225400/CA10	Prepared by: S. Wray	Date: 3/27/07	Reviewer:	Page 1 of 1

DESCRIPTION OF WORK:

Perform ground scan at staked location of Well A5784

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B.J. Howard	1		
E.C. Rafuse	1		
G.G. Kelty	1		
C.S. Wright	1		

DATE OF FIELD INVESTIGATION: 3/27/07

Weather: Temp 50°F Wind 5 MPH

☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☒ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation 6 feet

Equipment Used:	Required Functional Checks Current/Completed
___ 50/60 Hz detector (for energized lines)	☐
x Radio Frequency Electromagnetics (RF)	☒
x Ground Penetrating Radar (GPR)	☒
___ Other (identify)	☐

GPR Antenna(s) Used: ☐ 1000 MHz ☐ 500 MHz ☐ 400 MHz ☒ 300 MHz

Documentation Provided: NONE

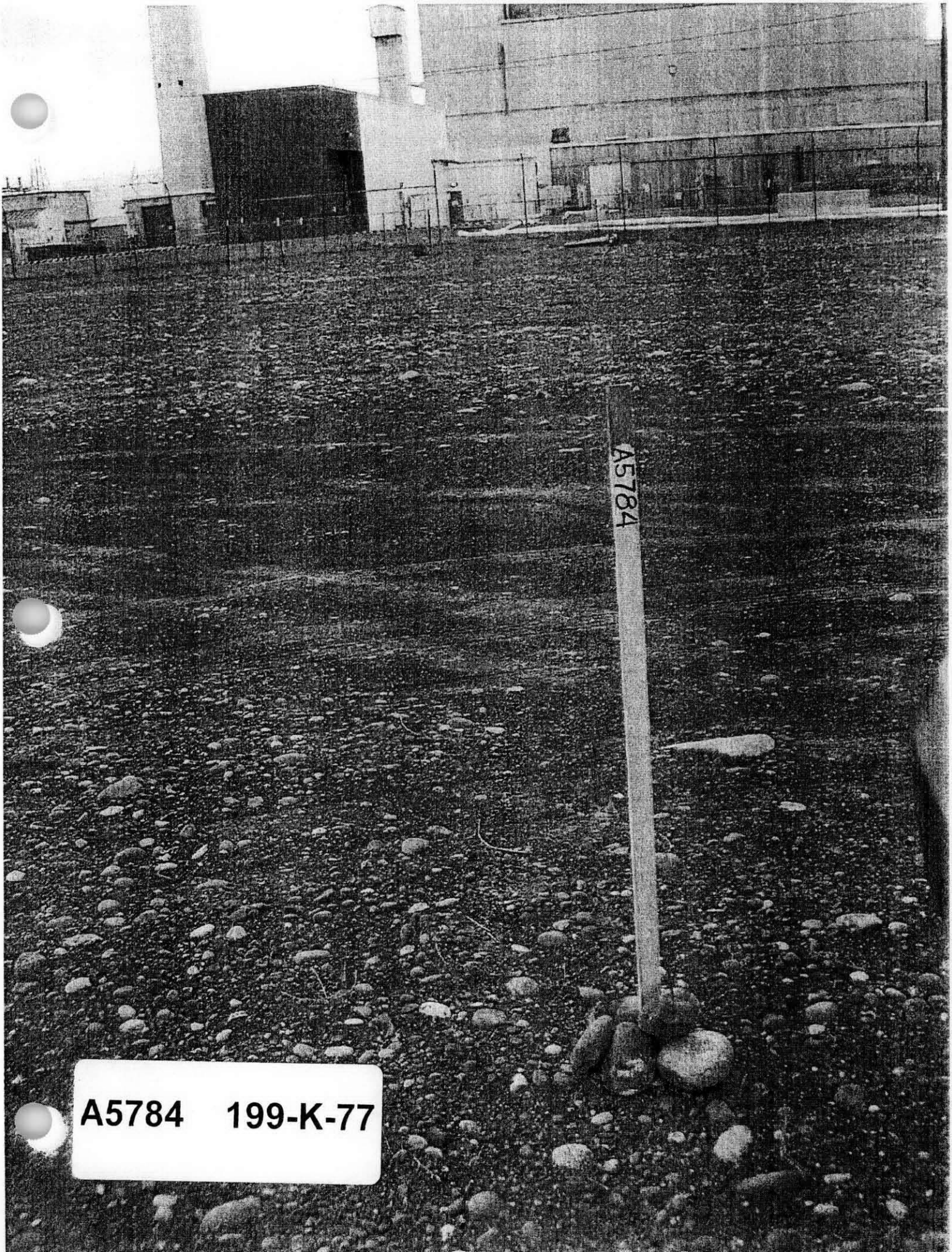
Limits of Investigation: 20 ft square area around staked well location.

EQUIPMENT LIMITATIONS:

1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure.

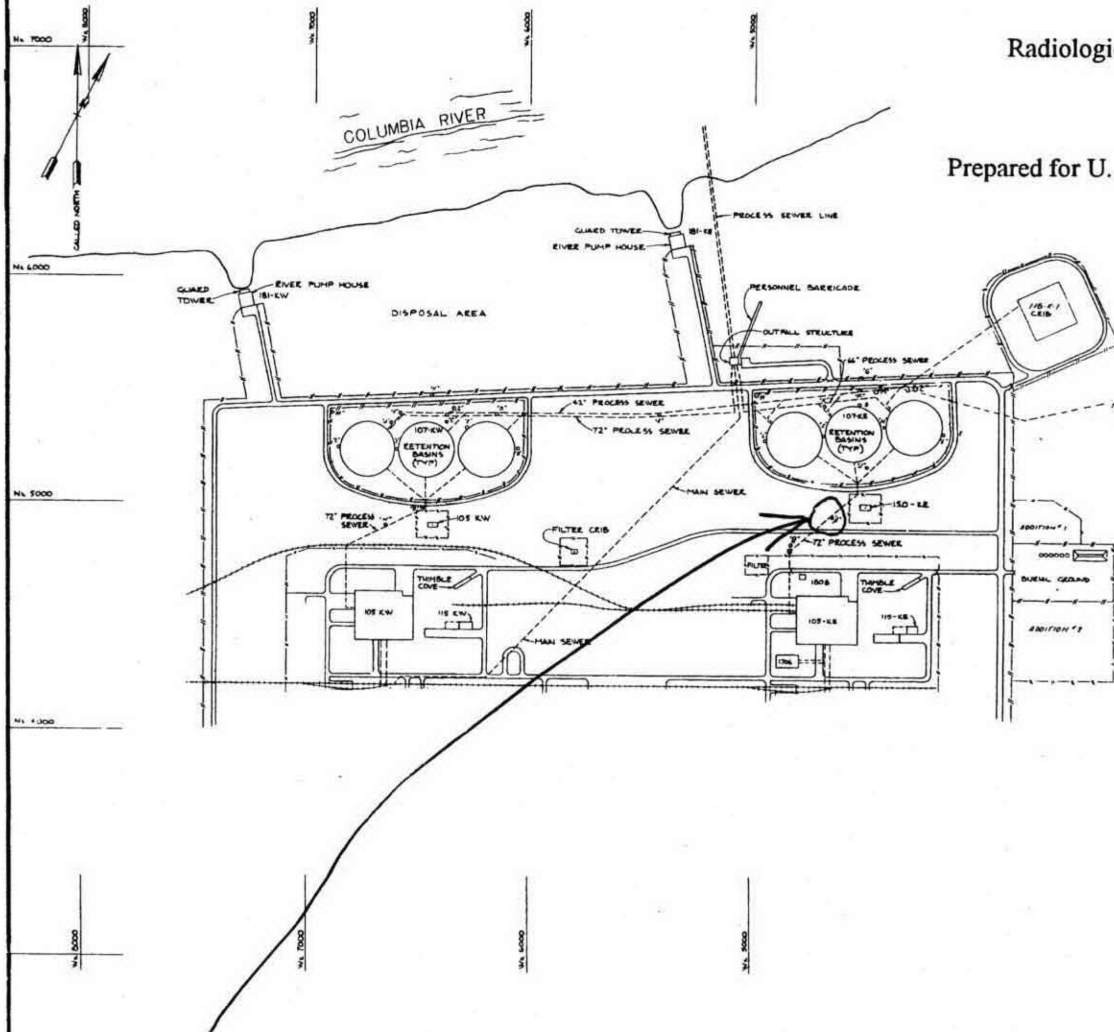
Discussion of Findings:

No evidence of well casing detected in scan area.



A5784 199-K-77

Radiological Characterization of the Retired 100 Areas
UNI-946
J. J. Dorian and V. R. Richards
May 1978
Prepared for U. S. Dept of Energy under Contract EY-76-06-1857
United Nuclear Industries, Inc.



107-KE TEST HOLES			
HOLE NO	NORTH	WEST	ELEVATION
A	4945.20	4606.12	459.87
B	4866.19	4866.63	462.30
C	5530.43	4315.61	459.61
D	5457.59	4567.71	446.17
E	5525.87	4140.68	446.19
F	5528.47	4567.47	439.19
G	5596.85	4569.10	441.98
H	5338.17	4407.82	441.98
I	5319.18	4673.70	440.46
J	5177.36	4530.82	440.71
K	5451.83	4710.43	439.64
L	5294.56	4938.18	440.46
M	5518.30	4492.68	438.90
N	5494.67	5035.79	438.58
O			
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

107-KW TEST HOLES			
HOLE NO	NORTH	WEST	ELEVATION
A	5407.48	5464.59	440.78
B	5259.34	6058.88	440.38
C	5374.70	6405.24	440.41
D	5400.20	6177.77	439.98
E	5323.42	6299.67	440.21
F	5370.31	6349.69	440.59
G	5405.42	6372.77	440.46
H	5448.18	6447.86	437.90
I	5249.27	6591.83	440.25
J	5367.14	6658.49	440.59
K	5402.42	6609.90	439.19
L	5253.03	6861.47	440.50
M	5419.66	6945.05	434.81
N	4888.66	6665.39	463.10
O	4997.43	6674.61	462.46
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

FIGURE 2.7-3

107-KE & KW SAMPLE HOLES

A= A5784/199-K-77

199-K-78 A5785

199-K-78
A5785

WELL ATTRIBUTES REPORT

WELL ID	A5785	**NORTHING**	146781.62	**FIELD ORDER NO**	
WELL NAME	199-K-78	**EASTING**	569078.381	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	141.968	**CONST DATE**	
GW OPERABLE UNIT	100-KR-4	**DRILL DATE**	1/1/1801	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/__
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
LAST TUBING INFORMATION		**CURRENT TUBING INFORMATION**	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	
LAST MEASUREMENT INFORMATION		**CURRENT MEASUREMENT INFORMATION**	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)		DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

WELL ATTRIBUTES REPORT

WELL ID	A5785	**NORTHING**	146781.62	**FIELD ORDER NO**	
WELL NAME	199-K-78	**EASTING**	569078.381	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	141.968	**CONST DATE**	
GW OPERABLE UNIT	100-KR-4	**DRILL DATE**	1/1/1801	**CONST DEPTH**	

PROGRAMS

WASTE SITES 50FT

WM PLAN(S)

WASTE STORAGE(S)

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING_ELEV / WELL_DIAM / DATE_COMPL	DRILL_DEPTH / COMPL_DEPTH / DEPTH_WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
199-K-74 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-K-1 C
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-K-1 D
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-K-1 E
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE A
199-K-78 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE B
199-K-79 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE C
199-K-80 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE D
199-K-81 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE E
199-K-82 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE F
199-K-83 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE G
199-K-84 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE H
199-K-85 AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE I

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
Prepared for U. S. Dept of Energy under
Contract DE-AC06-76RLO 1830
Pacific NW Lab by Battelle Memorial Institute

Coordinate Transformation Report

3/9/2006

Input Data

Input Local Coordinate Source: Document

Known WCS Coordinate Source:

Target Point:	Input Easting:	Input Northing:	Known WCS Easting:	Known WCS Northing:
B	-4866.630	4866.190	0.000	0.000

Calculation Section

The Three Nearest Reference Points From Target: B **Using Reference Table:** 100K

Reference Points:	Reference East/West (Local):	Reference North/South (Local):	Reference Easting (WCS):	Reference Northing (WCS):	Distance (Target Point To Reference Point) In Feet:
199-K-32B	-4723.630	5616.260	569012.400	147004.810	763.580
100-K-2	-5355.000	4132.000	569049.052	146514.684	881.782
199-K-32A	-4686.520	5604.020	569024.150	147006.680	759.495

Angles

Angle A:	Angle B:	Angle C:	Minimum Angle:
94.790	1.380	83.830	1.380

Three Point Affine Transformation Coefficients

A:	B:	C:	D:	E:	F:
2.705261e-001	-1.397694e-001	5.710752e+005	1.397050e-001	2.707885e-001	146143.906

Local Coordinates Transformed:

569078.552 146781.722

Two Point Uniform Scaling Transformation Coefficients

A:	B:	C:	F:
2.705710e-001	-1.396332e-001	5.710747e+005	146144.789

Local Coordinates Transformed:

569078.443 146781.895

Summary Report

Point Name:	Transformed Easting:	Transformed Northing:	Input East/West Value:	Input North/South Value:	Transformation Model:
B	569078.443	146781.895	-4866.630	4866.190	2-pt

Query HWIS again

VIS Interface - Survey Information - Horizontal

ELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFIER
5785	199-K-78	BHI	NAD83(91)	01/01/1801	CONVERTED	146781.62	569078.381	m	P

SURVEY DATA REPORT

Request No.	
072-135	

Project No.	Title:	File No.
	Well Decommissioning: A5785	1KT13R26

Job No.	Prepared By	Date	Reviewer	Page
65400811.1225400	Tim Johnson	3/27/2007	Larry Henkel	1 of 2

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Locate well A5785. If found, fill out WAR Report. If not found, set hub and lath. Take photo.	Survey File	OR		
Coordinate System: US State Plane 1983	B. Howard	1		
Zone: Washington South 4602	C. Wright	1		
Project Datum: NAD 1983 (Conus)	G. Kelty	1		
Vertical Datum: NAVD 1988	E. Rafuse	1		
Geoid Model: Geoid03				
Units: Meters				

SURVEY RESULTS AND COMMENTS

Well ID# A5785 was not found at listed coordinates: N146781.6 E569078.4
Set hub and lath. Took Photo.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

SCAN DATA REPORT

Request No.: 072-235				
Project No.:	Title: SCAN: Well Decommissioning / Well A5785			File No. : 100K-001
Job No.: 65400811.1225400/CA10	Prepared by: S. Wray	Date: 3/27/07	Reviewer:	Page 1 of 1

DESCRIPTION OF WORK:

Perform ground scan at staked location of Well A5785

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B.J. Howard	1		
E.C. Rafuse	1		
G.G. Kelty	1		
C.S. Wright	1		

DATE OF FIELD INVESTIGATION: 3/27/07

Weather: Temp 50°F Wind 5 MPH

☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☒ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation 6 feet

Equipment Used:

		Required Functional Checks Current/Completed
____	50/60 Hz detector (for energized lines)	☐
x	Radio Frequency Electromagnetics (RF)	☒
x	Ground Penetrating Radar (GPR)	☒
____	Other (identify)	☐

GPR Antenna(s) Used: ☐ 1000 MHz ☐ 500 MHz ☐ 400 MHz ☒ 300 MHz

Documentation Provided: NONE

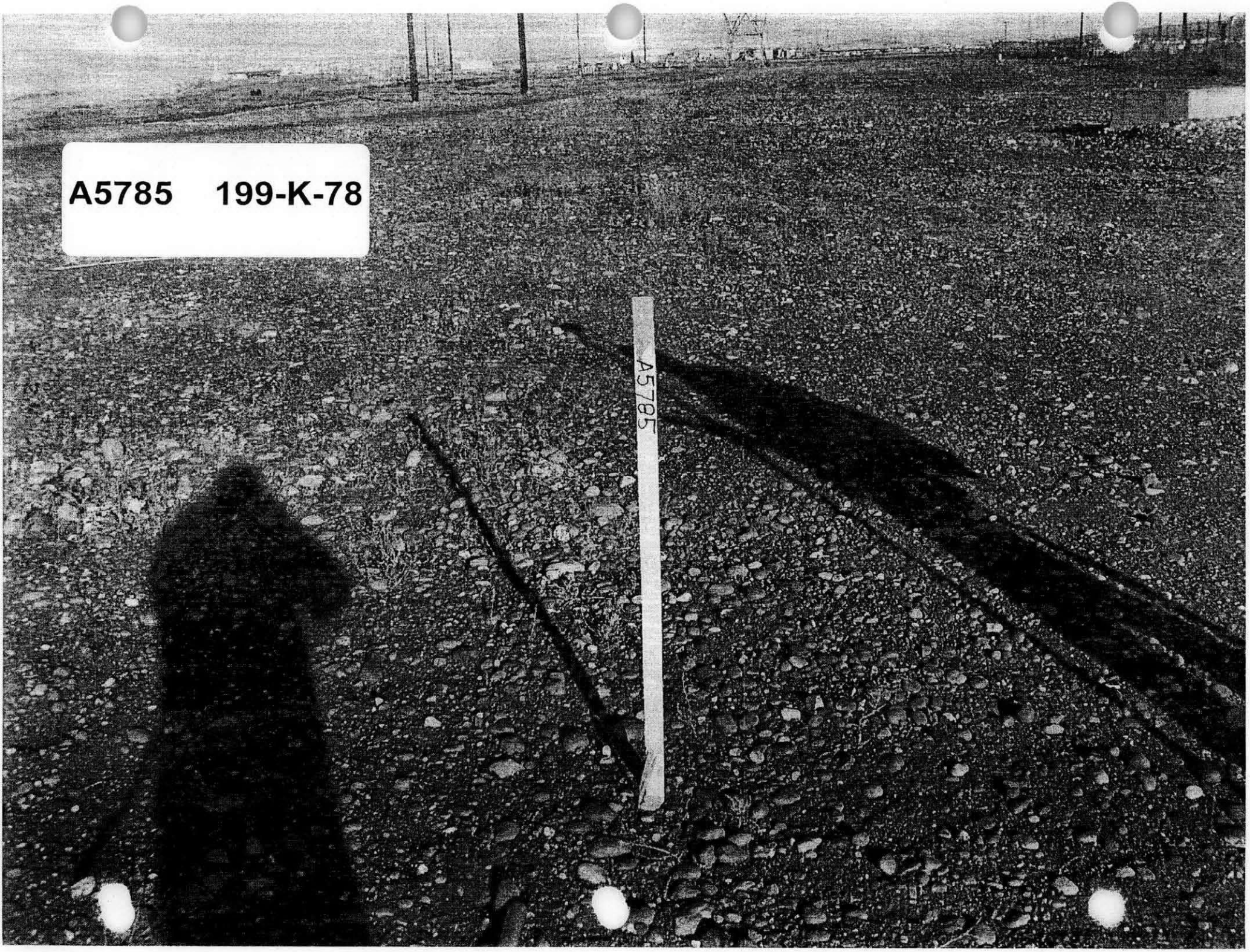
Limits of Investigation: 20 ft square area around staked well location.

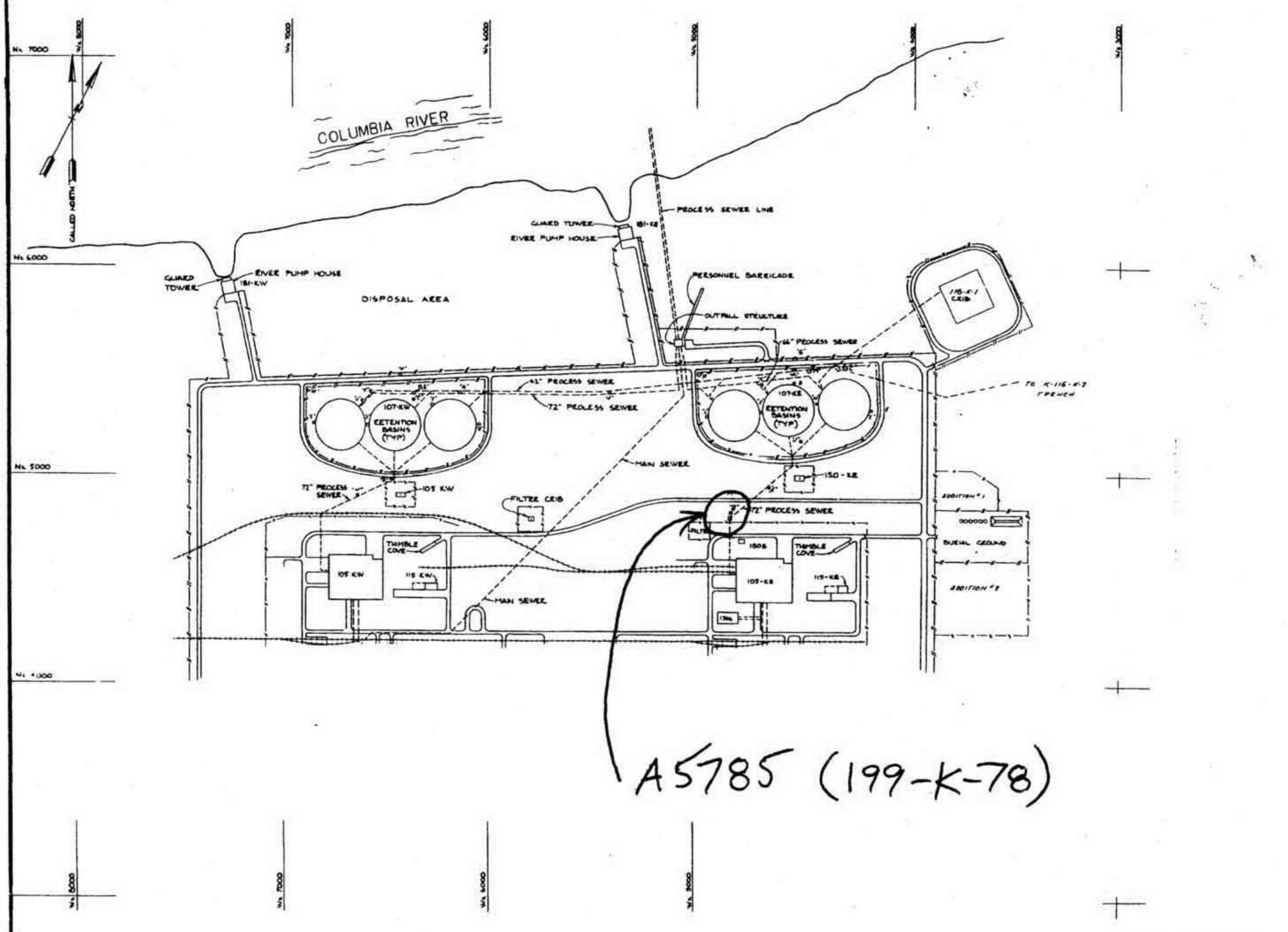
EQUIPMENT LIMITATIONS:

1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure.

Discussion of Findings:

No evidence of well casing detected in scan area.


A5785 199-K-78
A5785



107-KE TEST HOLES			
HOLE NO	NORTH	WEST	ELEVATION
A	4945.28	4606.12	459.87
B	4866.19	4866.63	462.50
C	5530.43	4315.61	439.81
D	5457.59	4567.71	440.17
E	5325.87	4140.68	440.19
F	5528.47	4567.47	439.19
G	5596.85	4569.10	441.98
H	5358.17	4407.82	441.96
I	5319.18	4673.70	440.46
J	5177.36	4530.82	440.71
K	5451.83	4718.43	439.84
L	5794.56	4938.18	440.46
M	5518.30	4492.68	438.90
N	5496.67	5035.79	438.58
O			
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

107-KW TEST HOLES			
HOLE NO	NORTH	WEST	ELEVATION
A	5402.48	5464.59	440.76
B	5259.34	6058.88	440.38
C	5374.30	6405.28	440.41
D	5404.70	6177.77	439.98
E	5323.42	6299.63	440.21
F	5370.31	6349.69	440.39
G	5403.47	6372.77	440.46
H	5448.16	6447.86	437.90
I	5249.17	6591.83	440.25
J	5367.16	6658.69	440.89
K	5402.42	6609.90	439.19
L	5253.03	6861.47	440.50
M	5419.66	6945.05	434.81
N	4886.86	6665.39	463.10
O	4997.05	6474.61	462.46
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

FIGURE 2.7-3

107-KE & KW SAMPLE HOLES

Radiological Characterization of the Retired 100 Areas
UNI-946
J. J. Dorian and V. R. Richards
May 1978
Prepared for U. S. Dept of Energy under Contract EY-76-06-1857
United Nuclear Industries, Inc.

699-17-27C C3792

699-17-27C
C3792

WELL ATTRIBUTES REPORT

WELL ID	C3792	**NORTHING**	128703.743	**FIELD ORDER NO**	
WELL NAME	699-17-27C	**EASTING**	581665.788	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**		**CONST DATE**	
GW OPERABLE UNIT	200-PO-1	**DRILL DATE**	1/1/1801	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
LAST TUBING INFORMATION		**CURRENT TUBING INFORMATION**	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	
LAST MEASUREMENT INFORMATION		**CURRENT MEASUREMENT INFORMATION**	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)		DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

WELL ATTRIBUTES REPORT

WELL ID	C3792	**NORTHING**	128703.743	**FIELD ORDER NO**	
WELL NAME	699-17-27C	**EASTING**	581665.788	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**		**CONST DATE**	
GW OPERABLE UNIT	200-PO-1	**DRILL DATE**	1/1/1801	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

SURVEY DATA REPORT - WELL DECOMM.

WELL ATTRIBUTES REPORT

FIELD ORDER NO
WELL ID 63792
WELL NAME 699-17-27C
HOST WELL ID

DRILL DATE
CONST DATE
CONST DEPTH

LAST INSPECTION
NORTHING 128703.74
EASTING 581665.79
ELEVATION

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☐ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☐ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☐ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☐ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☐ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☐ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☐ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☐ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☐ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☐ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☐ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☐ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☐ ND*	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☐ ND*	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☐ ND*	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☐ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☐ ND*	DEBRIS IN WELL	☐ YES ☐ NO
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED ☐ ND*	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☐ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☐ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (In)		TUBING SIZE (In)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
BING CONNECTION		TUBING CONNECTION	

ND* - Not Documented
EMI-EE-231 (02/20/02)

1/24/2003

Survey Data Report - Well Decomm.

WELL ATTRIBUTES REPORT

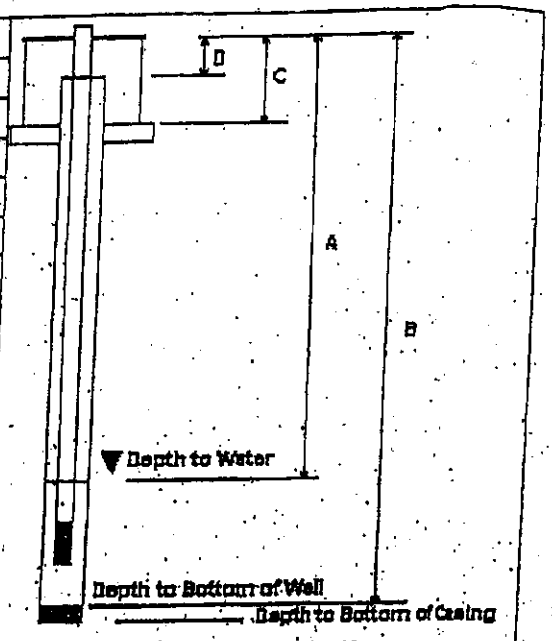
FIELD ORDER NO
WELL ID C 3792
WELL NAME 699-17-27C
HOST WELL ID

DRILL DATE
CONST DATE
CONST DEPTH

LAST INSPECTION
NORTHING 128703.77
EASTING 581665.29
ELEVATION

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☐ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented
BHI-EE-231 (02/20/02)

1/24/2003

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFI
C3792	699-17-27C	BHI	NAD83(91)	09/24/2001	GPS	128703.743	581665.788	m	P

SURVEY DATA REPORT

Request No. 072-0177				
Project No. N/A	Title: Survey Decommissiong Wells C3792/ 699-17-27C			File No. 6T11-R27
Job No. 65400811.122540	Prepared By Tim Johnson	Date 3/13/2007	Reviewer Larry Hemke	Page 1 of 2

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Survey well location for C3792. If found, fill out WAR Report. If not found, set hub and lath. Take photo.	Survey File	OR		
	B. Howard	1		
Coordinate System: US State Plane 1983	C. Wright	1		
Zone: Washington South 4602	G. Kelty	1		
Project Datum: NAD 1983 (Conus)	E. Rafuse	1		
Vertical Datum: NAVD 1988				
Geoid Model: Geoid03				

SURVEY RESULTS AND COMMENTS

Well ID# C3792 was not found at listed coordinates: N128703.74 E581665.79
Set hub and lath. Took Photo.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

E-NW-246 (09/04)

☒ Survey
☐ Scan

SURVEY REQUEST

Request No: 0 7 2 - 0 1 7 7

Project No.	Title	File No.
N/A	Survey Decom. Wells (listed below)	6 T 1 1 - R 2 7

Job No	Requested By	Phone	Date Required
65400811.122540	Ed Rafuse	373-5491/539-3859	ASAP

Field Contact	Organization	Phone	Location
Ed Rafuse	FH	373-5491/539-3859	MO413/107/200E

REFERENCE DOCUMENTS	GRID SYSTEM	DISTRIBUTION
See attached request and well location map	☐ Lambert ☐ Plant ☐ Area ☐ Geographic	Survey File E. Rafuse B Howard J. Davis G. Kelly

LOCATION OF WORK	WORK CONDITIONS
Adjacent to LIGO facility.	☐ SWP ☐ Mask ☐ Operator ☐ Exclusion Entry

SPECIAL INSTRUCTIONS

ITEM	DESCRIPTION OF WORK
1	Survey Decom Well Locations: C3792, C3793, C3974, A8361, C3788, C3789, C3787, C3790, C3791, A8365, A8383, A8394
2	B8057, 699-18-21 (see attached map).

Prepared By	Date	Reviewed By
JMS	02/08/07	

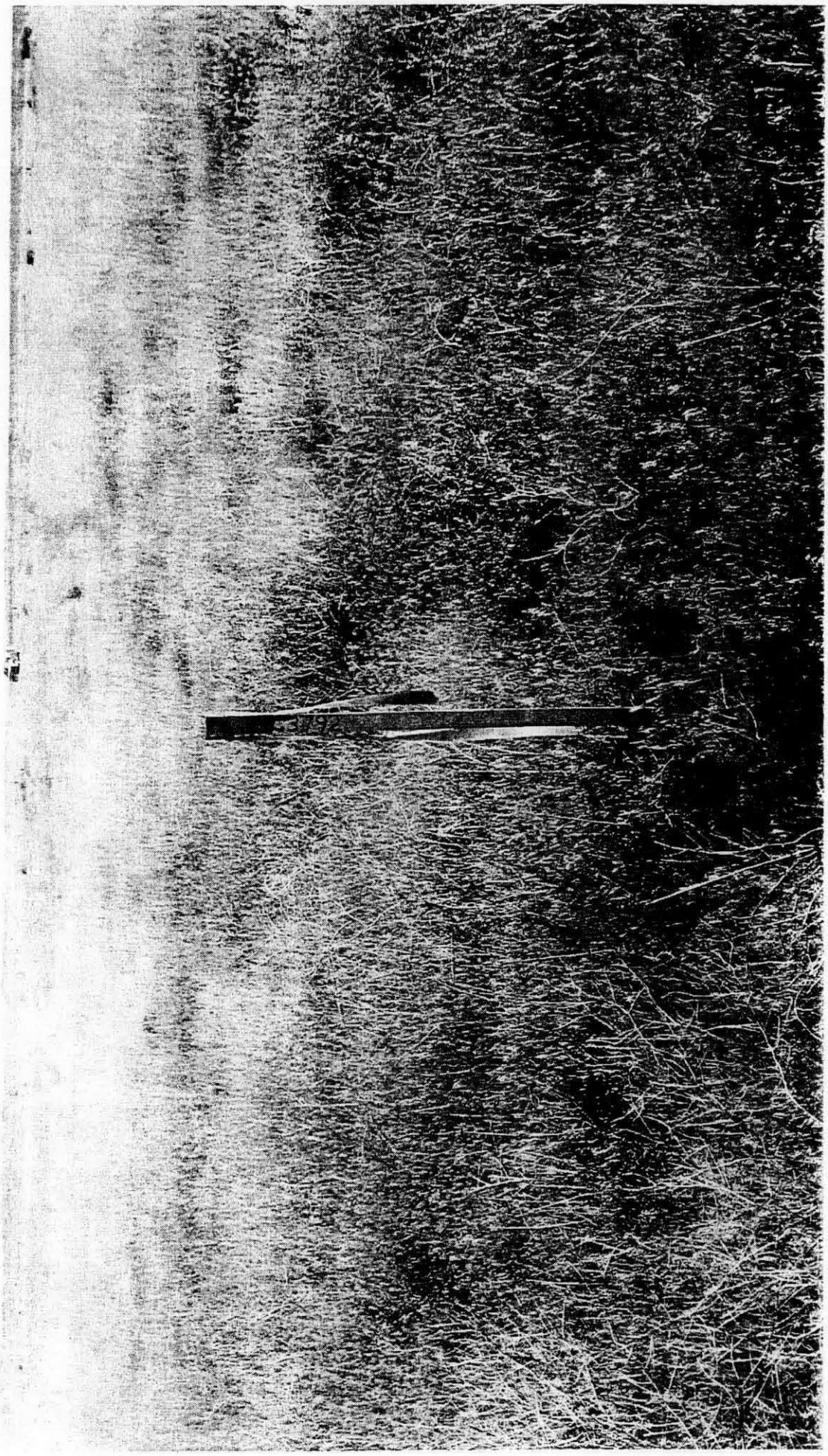
NOTES/COMMENTS

Lead Surveyor/Crew

Date: Signature:

E-NW-240 (DRAFT)

C3792 699-17-27C



699-17-27M C3793

699-17-27M
C3793

WELL ATTRIBUTES REPORT

WELL ID	C3793	**NORTHING**	128703.558	**FIELD ORDER NO**	
WELL NAME	699-17-27M	**EASTING**	581702.35	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**		**CONST DATE**	
GW OPERABLE UNIT	200-PO-1	**DRILL DATE**	1/1/1801	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
LAST TUBING INFORMATION		**CURRENT TUBING INFORMATION**	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	
LAST MEASUREMENT INFORMATION		**CURRENT MEASUREMENT INFORMATION**	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)		DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

WELL ATTRIBUTES REPORT

WELL ID	C3793	**NORTHING**	128703.558	**FIELD ORDER NO**	
WELL NAME	699-17-27M	**EASTING**	581702.35	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**		**CONST DATE**	
GW OPERABLE UNIT	200-PO-1	**DRILL DATE**	1/1/1801	**CONST DEPTH**	

PROGRAMS

WASTE SITES 50FT

WM PLAN(S)

WASTE STORAGE(S)

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

Survey Data Report - Well Decomm.

WELL ATTRIBUTES REPORT

FIELD ORDER NO
WELL ID C 3193
WELL NAME 699-11-27 MW
HOST WELL ID

DRILL DATE
CONST DATE
CONST DEPTH

LAST INSPECTION
NORTHING 128703.56
EASTING 581202.35
ELEVATION

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☐ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☐ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☐ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☐ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☐ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☐ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☐ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☐ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☐ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☐ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☐ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☐ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☐ ND*	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☐ ND*	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☐ ND*	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☐ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☐ ND*	DEBRIS IN WELL	☐ YES ☐ NO
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED ☐ ND*	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☐ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☐ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	

1/24/2003

ND* - Not Documented
BMI-EE-231 (02/20/02)

Survey Data Report - Well Decomm.

WELL ATTRIBUTES REPORT

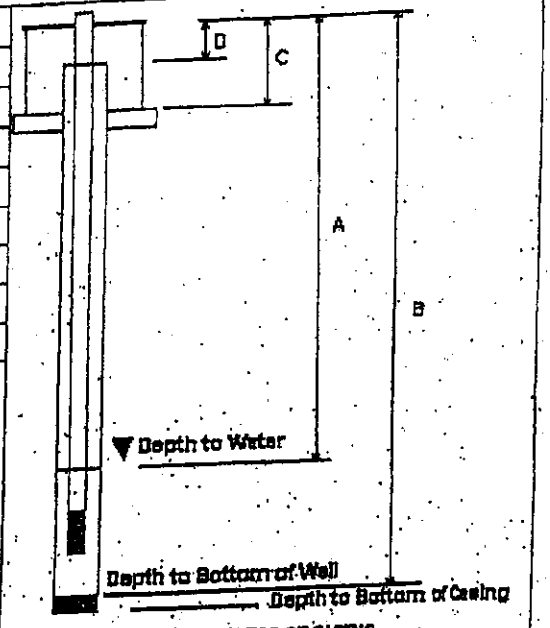
FIELD ORDER NO
WELL ID C 3193
WELL NAME 699-17-27 "W"
HOST WELL ID

DRILL DATE
CONST DATE
CONST DEPTH

LAST INSPECTION
NORTHING 128703.56
EASTING 581702.35
ELEVATION

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☐ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

1/24/2003

ND* - Not Documented
BHI-EE-231 (01/20/02)

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFIEI
C3793	699-17-27M	BHI	NAD83(91)	09/24/2001	GPS	128703.558	581702.35	m	P

SURVEY DATA REPORT

			Request No. 072-0177	
Project No. N/A	Title: Survey Decommissiong Wells C3793/ 699-17-27M		File No. 6T11-R27	
Job No. 65400811.122540	Prepared By Tim Johnson	Date 3/13/2007	Reviewer Tony Denke	Page 1 of 2

DESCRIPTION OF WORK

Survey well location for C3793. If found, fill out WAR Report. If not found, set hub and lath. Take photo.

Coordinate System: US State Plane 1983
Zone: Washington South 4602
Project Datum: NAD 1983 (Conus)
Vertical Datum: NAVD 1988
Geoid Model: Geoid03

DISTRIBUTION	SDR	PLOT	DWG
Survey File	OR		
B. Howard	1		
C. Wright	1		
G. Kelty	1		
E. Rafuse	1		

SURVEY RESULTS AND COMMENTS

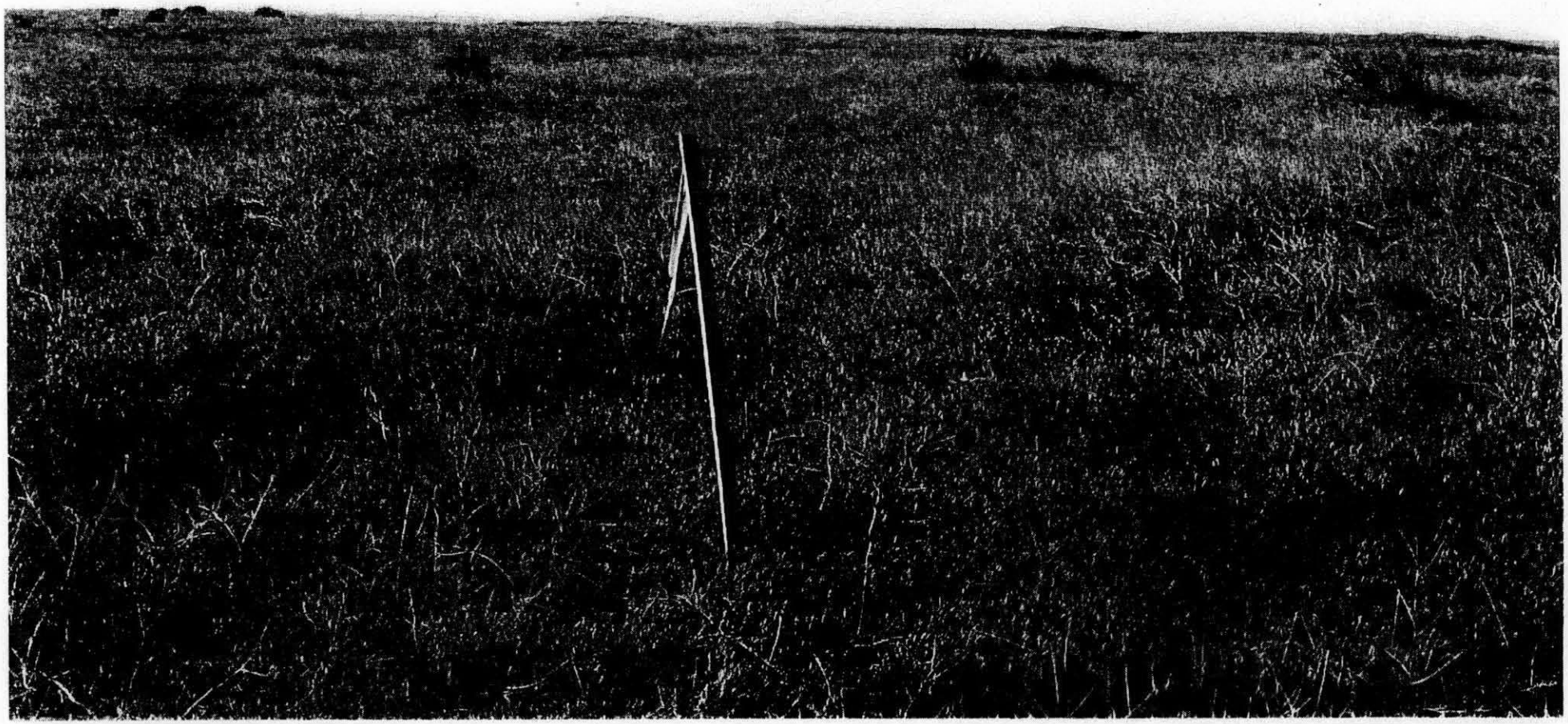
Well ID# C3793 was not found at listed coordinates: N128703.56 E581702.35
Set hub and lath. Took Photo.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

E-NW-246 (09/04)

DECOMMISSIONED

C3793 699-17-27M



☒ Survey
☐ Scan

SURVEY REQUEST

Request No: 072-0177

Project No.	Title	File No.
N/A	Survey Decom. Wells (listed below)	6T11-R27

Job No	Requested By	Phone	Date Required
65400811.122540	Ed Rafuse	373-5491/539-3859	ASAP

Field Contact	Organization	Phone	Location
Ed Rafuse	FH	373-5491/539-3859	MO413/137/200E

REFERENCE DOCUMENTS	GRID SYSTEM	DISTRIBUTION
See attached request and well location map	☐ Lambert ☐ Plant ☐ Area ☐ Geographic	Survey File E. Rafuse B Howard J. Davis G. Kelly

LOCATION OF WORK	WORK CONDITIONS
Adjacent to LIGO facility.	☐ SWP ☐ Mask ☐ Operator ☐ Exclusion Entry

SPECIAL INSTRUCTIONS

ITEM	DESCRIPTION OF WORK
1	Survey Decom Well Locations: C3792, C3793, C3974, A8361, C3788, C3789, C3787, C3790, C3791, A8365, A8383, A8394
2	B8057, 699-18-21 (see attached map).

Prepared By	Date	Reviewed By
JMS	02/08/07	

NOTES/COMMENTS

Lead Surveyor/Crew

Date: Signature:

E-NW-240 (DRAFT)

699-61-24 A8929

699-61-24
A8929

WELL ATTRIBUTES REPORT

WELL ID	A8929	**NORTHING**	142258	**FIELD ORDER NO**	
WELL NAME	699-61-24	**EASTING**	582510	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	119.934	**CONST DATE**	
GW OPERABLE UNIT	100-FR-3	**DRILL DATE**	1/1/1801	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
LAST TUBING INFORMATION		**CURRENT TUBING INFORMATION**	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	
LAST MEASUREMENT INFORMATION		**CURRENT MEASUREMENT INFORMATION**	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)		DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

WELL ATTRIBUTES REPORT

WELL ID	A8929	**NORTHING**	142258	**FIELD ORDER NO**	
WELL NAME	699-61-24	**EASTING**	582510	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	119.934	**CONST DATE**	
GW OPERABLE UNIT	100-FR-3	**DRILL DATE**	1/1/1801	**CONST DEPTH**	

PROGRAMS

WASTE SITES 50FT

WM PLAN(S)

WASTE STORAGE(S)

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING_ELEV / WELL_DIAM / DATE_COMPL	DRILL_DEPTH / COMPL_DEPTH / DEPTH_WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-60-57	141870.61	60350.40	469.64	155.0	S	6.0	61.0	71.0	SCREEN 55-75 FT, 128-138 FT.
GW	572623.65	-56604.90	8.0	154.0	S	6.0	128.5	148.5	
S			7/72	73.2					GBM-7
699-60-59									BWIP WELL DC-18; WELL CAPPED; ABANDONED
AB			3.5	1560.7					DC-18
699-60-60	141764.25	60011.00	512.03	128.0	P	8.0	100.0	127.0	CEMENT PLUG AT 110 FT.
GW	571588.71	-60001.60	8.0	110.0					
B			6/48	110.0					
			.03	125.0	P	1.5	120.0	125.0	60 SLOT SCREEN
			.5	125.0					
			/77	111.0					
			.52	607.0	P	8.0	122.0	213.0	
			.0	607.0					
			/50	41.0					FOSTERCC-133
			.00	81.0					
			.0						
				37.0					FOSTER REF.7
699-61-24			390.00						FILLED IN FARM WELL
AB			48.0						T13NR27E15P2
699-61-26A		61050.00	410.00	363.0					CASING REMOVED
AB		-26250.00	6.0						
			3/43						HILLMAN USED
699-61-26B			410.00						FILLED IN FARM WELL
AB			48.0	51.0					T13NR27E16R2
699-61-37		60618.00	442.94	76.0	P	6.0	60.0	64.0	SCREEN 71-76 FT.
GW		-37043.00	6.0	76.0	S	6.0	71.0	76.0	
S			7/71	63.0					GM-18
699-61-41		61355.00	428.92	52.0	P	6.0	30.0	40.0	CEMENT PLUG AT 45'
GW		-41118.00	6.0	45.0					
S			7/71	33.0					GM-16
699-61-53		60693.00	763.80	385.0					BWIP WELL DC-11; ABANDONED; BACKFILLED
AB		-53026.00	3.0						
			1/78						DC-11

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
Prepared for U. S. Dept of Energy under
Contract DE-AC06-76RLO 1830
Pacific NW Lab by Battelle Memorial Institute

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFIER
A8929	699-61-24	BHI	NAD83(91)	01/01/1801	ESTIMATED	142258	582510	m	P

~~488~~ A8929 / 699-61-24

699-61-24

Where is the survey data report?

699-67-77 A8965

699-67-77
A8965

WELL ATTRIBUTES REPORT

WELL ID	A8965	**NORTHING**	143896.6	**FIELD ORDER NO**	
WELL NAME	699-67-77	**EASTING**	566423.4	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	150.655	**CONST DATE**	
GW OPERABLE UNIT	100-BC-5	**DRILL DATE**	1/1/1801	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
LAST TUBING INFORMATION		**CURRENT TUBING INFORMATION**	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	
LAST MEASUREMENT INFORMATION		**CURRENT MEASUREMENT INFORMATION**	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)	100	DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

ND* - Not Documented

WELL ATTRIBUTES REPORT

WELL ID	A8965	**NORTHING**	143896.6	**FIELD ORDER NO**	
WELL NAME	699-67-77	**EASTING**	566423.4	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	150.655	**CONST DATE**	
GW OPERABLE UNIT	100-BC-5	**DRILL DATE**	1/1/1801	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

WELL NAME WELL TYPE PUMP TYPE	COORDINATES L 83 NS/EW	 PLANT NS/EW	CASING ELEV WELL DIAM DATE COMPL	DRILL DEPTH COMPL DEPTH DEPTH WATER	PERF/SCREEN TYPE	 DIAM	 TOP	 BOT	COMMENTS PREVIOUS WELL NAMES
699-66-91 GW		65708.00 -90879.00	467.75 6.0 5/73	190.0 138.0 69.0					BASALT WELL UGB4
699-66-103 GW B		65980.00 -102780.00	463.01 12.0 1/44	128.0 124.0 73.9					CEMENT PLUG AT 124 FT. RRY CD2W
699-66-114 OS		65600.00 -113980.00	463.20 10.0 12/52	132.0 132.0					 BPA NO.3
			59) 51	250.0 250.0	P	8.0	100.0	250.0	CEMENT PLUG AT 170 FT; PIEZOS INST.5/77
			)9 5 51	250.0 235.0 124.0	P S	8.0 1.5	100.0 230.0	250.0 235.0	60 SLOT SCREEN
			59 5 61	250.0 194.0 125.0	P S	8.0 1.5	100.0 184.0	250.0 194.0	60 SLOT SCREEN
699-67-77 AB			490.80 72.0	100.0 100.0					FILLED IN REF.2, ROBINSON
699-67-86 GW S		66996.00 -85997.00	472.39 8.0 10/62	467.0 100.0 71.0	P	8.0	60.0	460.0	CEMENT PLUG AT 100 FT.
699-67-86P AB		66996.00 -85997.00	472.68 1.5 9/63	467.0					REMOVED
699-67-86Q AB		66996.00 -85997.00	472.68 1.5						REMOVED
699-67-86R AB		66996.00 -85997.00	472.68 1.5 9/63	300.0					REMOVED
699-67-86S AB		66996.00 -85997.00	472.68 1.5 9/63	220.0					REMOVED

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
Prepared for U. S. Dept of Energy under
Contract DE-AC06-76RLO 1830
Pacific NW Lab by Battelle Memorial Institute

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFIER
A8965	699-67-77	UNKNOWN	NAD83	01/01/1801	UNKNOWN	143896.6	566423.4	m	


A8965
699-67-77
Need
survey data
report

699-71-85 A8972

699-71-85
A8972

WELL ATTRIBUTES REPORT

WELL ID	A8972	**NORTHING**	145012.863	**FIELD ORDER NO**	
WELL NAME	699-71-85	**EASTING**	564039.807	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	128.172	**CONST DATE**	
GW OPERABLE UNIT	100-BC-5	**DRILL DATE**	1/1/1801	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
LAST TUBING INFORMATION		**CURRENT TUBING INFORMATION**	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	
LAST MEASUREMENT INFORMATION		**CURRENT MEASUREMENT INFORMATION**	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)	26	DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

WELL ATTRIBUTES REPORT

WELL ID	A8972	**NORTHING**	145012.863	**FIELD ORDER NO**	
WELL NAME	699-71-85	**EASTING**	564039.807	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	128.172	**CONST DATE**	
GW OPERABLE UNIT	100-BC-5	**DRILL DATE**	1/1/1801	**CONST DEPTH**	

PROGRAMS

WASTE SITES 50FT

WM PLAN(S)

WASTE STORAGE(S)

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-70-37		70243.00	386.69	15.0					WELL POINT
GW		-36740.00	2.0	15.0					
			6/60	10.0					
699-70-68		70123.00	526.21	149.0	P	8.0	126.0	147.0	CEMENT PLUG AT 146 FT.
GW		-68357.00	8.0	146.0					
S			7/54	127.0					
699-71-30		71300.00	400.68	150.0	P	8.0	25.0	86.0	CEMENT PLUG AT 80 FT.
GW		-30400.00	8.0	80.0					
S			4/57	31.0					
--- -- --			50	24.0					FILLED IN
			0	25.0					
			43						T13NR27E8-B1
			04	210.0	P	8.0	120.0	160.0	
			0	144.0					
			54	125.0					
			28	300.0	P	8.0	60.0	288.0	CEMENT PLUG AT 125 FT.
			0	125.0					
			-/62	73.0					
699-71-85		70736.00	417.04	44.0					DUG WELL FILLED IN
AB		-84753.00	60.0	26.0					
				21.0					699-71-84, R6
699-72-73		72038.00	482.57	200.0	P	8.0	60.0	176.0	CEMENT PLUG AT 135 FT.
GW		-73222.00	8.0	135.0					
S			9/61	86.0					
699-72-86				27.0					CASING PULLED
AB									
			5/43						RANNEY TW#1
699-72-88		72100.00	437.37	52.0	P	8.0	33.0	48.0	FARM WELL
GW		-87500.00	8.0	52.0					
S				38.0					G-447
699-72-92		71890.00	452.22	200.0	P	8.0	44.0	195.0	CEMENT PLUG AT 90 FT.
GW		-91963.00	8.0	90.0					
S			9/61	54.0					
699-72-920		71890.00	452.48	94.0					REMOVED
AB		-91963.00	1.5	86.0					
			5/65	53.0					

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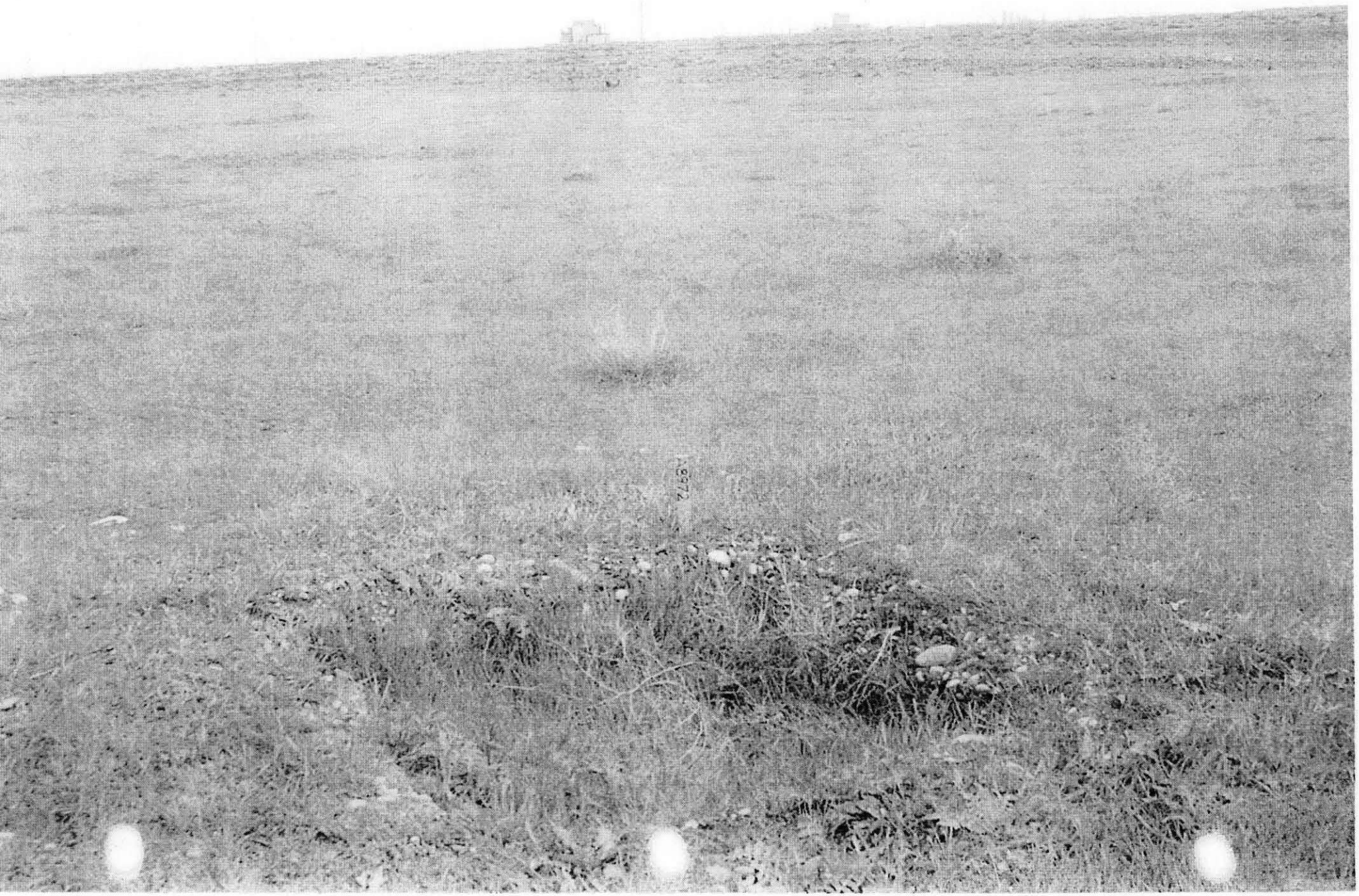
HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFI
A8972	699-71-85	UNKNOWN	NAD83	01/01/1801	CONVERTED	145012.863	564039.807	m	

A8972/699-71-85



699-74-74 A8977

699-74-74
A8977

WELL ATTRIBUTES REPORT

WELL ID	A8977	**NORTHING**	145908.224	**FIELD ORDER NO**	
WELL NAME	699-74-74	**EASTING**	567291.991	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	134.56	**CONST DATE**	
GW OPERABLE UNIT	100-BC-5	**DRILL DATE**	1/1/1801	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
LAST TUBING INFORMATION		**CURRENT TUBING INFORMATION**	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	
LAST MEASUREMENT INFORMATION		**CURRENT MEASUREMENT INFORMATION**	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)	65	DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

ND* - Not Documented

WELL ATTRIBUTES REPORT

WELL ID	A8977	**NORTHING**	145908.224	**FIELD ORDER NO**	
WELL NAME	699-74-74	**EASTING**	567291.991	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	134.56	**CONST DATE**	
GW OPERABLE UNIT	100-BC-5	**DRILL DATE**	1/1/1801	**CONST DEPTH**	

PROGRAMS

WASTE SITES 50FT

WM PLAN(S)

WASTE STORAGE(S)

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

All that is, is a stake in the ground

WELL ATTRIBUTES REPORT

FIELD ORDER NO
WELL ID A 8977
WELL NAME 699-34-39
HOST WELL ID

DRILL DATE
CONST DATE
CONST DEPTH

LAST INSPECTION
NORTHING 146908.224
EASTING 56294.997
ELEVATION

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☐ ND*	WELL PAD	☐ YES ☑ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☐ ND*	BRASS SURVEY MARKER	☐ YES ☑ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☐ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☑ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☐ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☑ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☐ ND*	WELL LABELED WITH WELL ID	☑ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☐ ND*	WELL LABELED WITH WELL NAME	☑ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☐ ND*	PROTECTIVE POSTS	☐ YES ☑ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☐ ND*	REMOVABLE POST IN PLACE	☐ YES ☑ NO
WELL LOCK	☐ YES ☐ NO ☐ ND*	WELL LOCK	☐ YES ☑ NO
WELL DAMAGED	☐ YES ☐ NO ☐ ND*	WELL DAMAGED	☐ YES ☑ NO
WELL IS DRY	☐ YES ☐ NO ☐ ND*	WELL IS DRY	☑ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☐ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☐ ND*	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☐ ND*	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☐ ND*	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☐ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☐ ND*	DEBRIS IN WELL	☐ YES ☐ NO

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED ☐ ND*	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☐ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☐ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	D E Constable
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	7/18/07
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	

1/24/2003

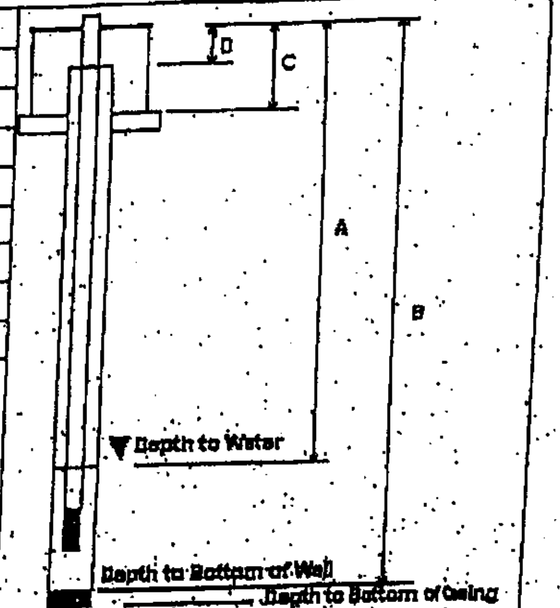
ND* - Not Documented
EHI-EE-231 (02/20/02)

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	
WELL ID	A8977	DRILL DATE		NORTHING	145908.222
WELL NAME	699-74-74	CONST DATE		EASTING	567296.991
HOST WELL ID		CONST DEPTH		ELEVATION	

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		ND
	DEPTH TO WATER DATE		7/18/07
B	DEPTH TO BOTTOM(ft)		ND
	DEPTH TO BOTTOM DATE		7/18/07
C	STICK UP(ft)		ND
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☐ ND*	☐ YES ☑ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

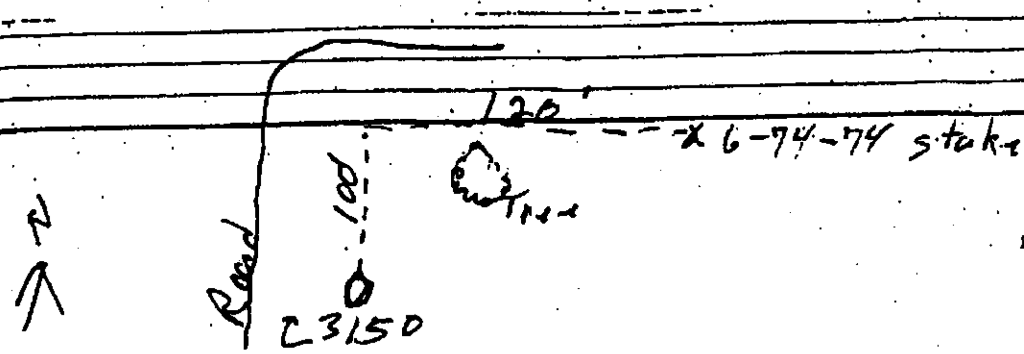
SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES All there is, is a stake with the well name and ID Number on it.
I dug down a ft and didn't find any casing

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES



ND* - Not Documented
BHI-EE-231 (02/20/02)

1/24/2003

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-72-92P AB		71890.00 -91963.00	452.48 1.5 8/63	185.0 183.0 54.0	P	1.5	165.0	185.0	REMOVED
699-72-92Q AB		71890.00 -91963.00	452.48 1.5	136.0 54.0	P	1.5	117.0	137.0	REMOVED
699-72-98 GW B		72100.00 -98300.00	454.19 42.0	69.0 56.0 57.0					DUG WELL REF.2 NO.53
699-73-25 AB			24.0						FILLED IN FARM WELL
699-73-61 GW S		73195.00 -60527.00	531.53 8.0 9/62	150.0 150.0 135.0	P S	8.0 6.0	107.0 95.0	146.0 135.0	699-74-60
699-74-23 AB		74490.00 -23330.00	376.48 6.0 5/43	50.0 50.0					FILLED IN WITH SILT HR-10
699-74-43 AB		73800.00 -42600.00	422.87 48.0	25.0 25.0					FILLED IN S1615
699-74-44 GW S		74200.00 -44200.00	445.18 8.0 5/57	150.0 67.0 49.0	P	8.0	17.0	67.0	CEMENT PLUG AT 67 FT.
[illegible]			18) 52	150.0 100.0 90.0	P	8.0	80.0	147.0	
			14 5 55	100.0 100.0 88.0	P	1.5	80.0	100.0	REMOVED
			14 5 63	130.0 128.0 88.0	P	1.5	110.0	130.0	REMOVED
699-74-74 AB		73650.00 -74075.00	438.00 4.0	65.0 65.0					FILLED IN ALLARD, REF.2

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
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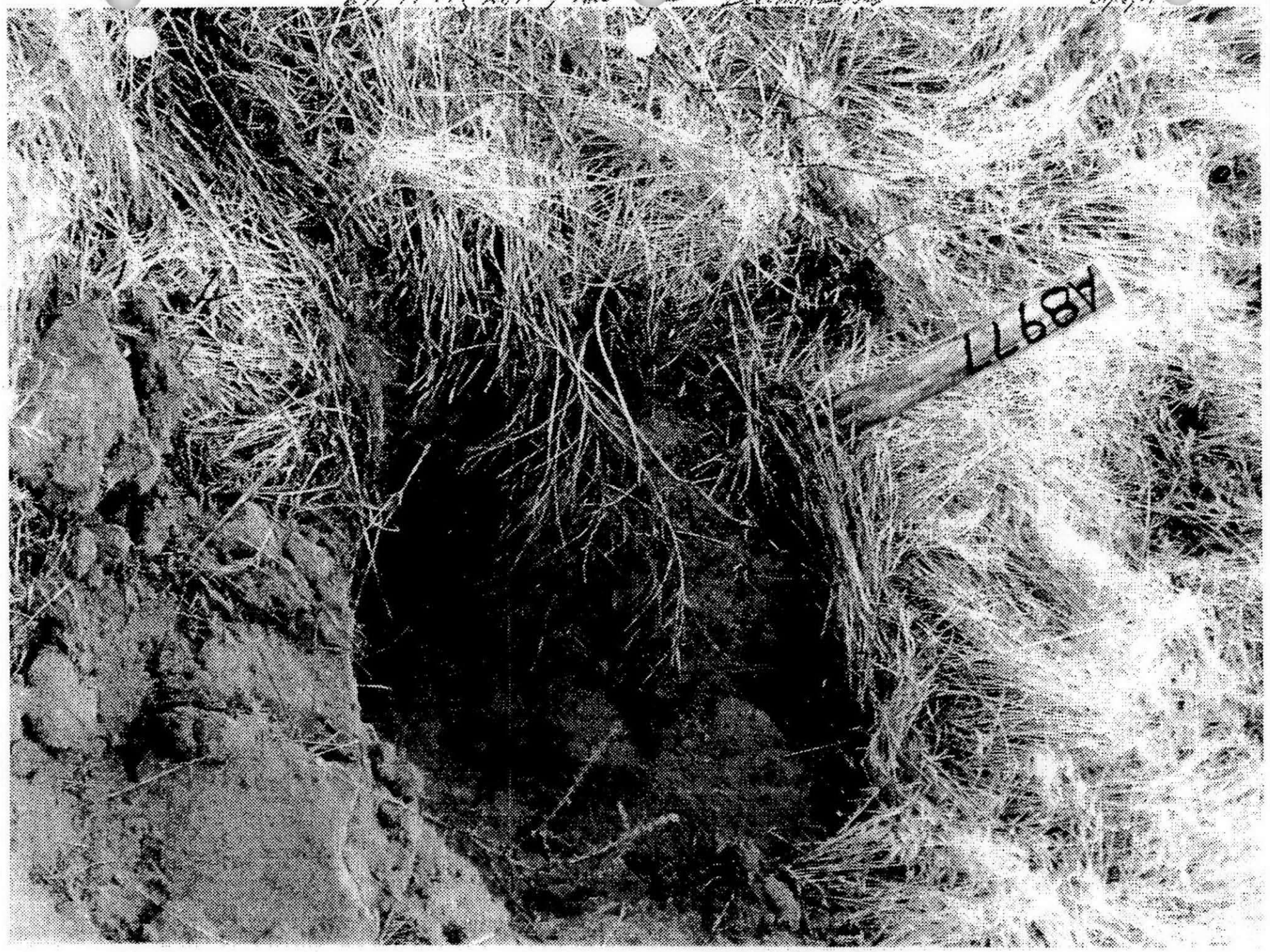
Pacific NW Lab by Battelle Memorial Institute

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFII
A8977	699-74-74	UNKNOWN	NAD83	01/01/1801	CONVERTED	145908.224	567291.991	m	

A8977/699-74-74



A8977/699-74-74


A8977
699-74-74